

CATALOG No. 11

"Quality Lines"

Southern Seating Company

NEW ORLEANS

School Furniture
and Supplies

Opera Chairs
AND
Assembly Seating

The Largest School Supply House in the South
SHIPMENTS FROM NEW ORLEANS

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NEW ORLEANS, LA.

Order No.

Date of order 192.....

Ship to:

Charge to

Give here explicit directions as to name of party to whom goods should be charged.

NAME.....

Freight or
Express Office.....

State.....

Ship by { Freight
Express
Mail

Date to be shipped.....

NAME _____

Post Office.....

County State

The above school authorities agree to receive the following goods, paying all transportation charges, and pay to the Southern Seating Co., of New Orleans, La., for same in cash or trade acceptance for the amount of the bill, and payable on receipt of bill.

[illegible]

NOTE:—In ordering school desks be sure to state the size or sizes, and state whether you want single or double desks. In ordering recitation seats, give length as well as size.

SOUTHERN SEATING CO.

New Orleans



IMPORTANT !!
Prompt Shipment from New Orleans.

Estimate the freight you would have to pay from Northern factories
to your railroad station, and then make comparison with our

New Orleans Prices

and see what you will save by sending us your orders.



Write for our Special Catalogs of
FILING CASES, BOOK CASES, OFFICE FURNITURE AND SUPPLIES
HEATING PLANTS AND CHEMICAL CLOSETS
DOMESTIC SCIENCE, LABORATORY AND MANUAL TRAINING EQUIPMENT
MOVABLE CHAIR DESKS, MAPS AND GLOBES
STEREOPTICON MACHINES



WE DO PRINTING. :: Submit Your Requirements for an Estimate.

Write us for sample copy of our School Register

CATALOG No. 11

WE HANDLE EVERYTHING FOR SCHOOLS.

Submit your school equipment problems to us. We will gladly submit plans for any kind of school equipment. This is our business. Making use of our service puts you under no obligation to us.

While we have intended to make this catalog complete, it is impossible to include everything in the school line, and if you do not find what you want, write us. All inquiries will receive prompt and careful attention.

PRICES.

Owing to constant changes in prices it is inadvisable to publish a catalog quoting prices therefore we will issue price-lists from time to time.

TERMS.

To Boards of Education, School Districts, Parochial Schools, established educational institutions and responsible dealers, we will ship goods on account, with the understanding they are to be paid for in thirty days. If more than thirty days' time is wanted, this should be mentioned at the time, so that terms and prices can be arranged accordingly.

Remit by post-office or express money order, draft on New Orleans bank, or by registered letter.

CLAIMS FOR DAMAGE.

We will replace any breakage or damage occurring in transit provided we are furnished within thirty days the original bill of lading and expense bill from Railroad Company with Agent's notation on same showing such damage or shortage.

SERVICE AND QUALITY.

We endeavor to ship out orders the same day they are received.

We handle only the best grade equipment and guarantee every article in this catalog to be exactly as represented and to satisfy you thoroughly in every respect.

PRESERVE THIS CATALOG—IT WILL SAVE YOU MONEY.

Southern Seating Company, New Orleans

Largest School Supply House South.

THE NEW CRESCENT AUTOMATIC SANITARY SEMI-STEEL DESK



The last word in school desk construction.

Much stronger than cast iron.
Much more rigid than tubular steel.

Extra heavy semi-steel standards.

Sanitary in design.

No open work to catch dust.
Inside of feet cast solid where they rest on floor.

Noiseless hinge.

Woods and irons made by the same factory and fit each other.

Guaranteed for twenty years.

Carried in stock at New Orleans—shipment made the same day order received.

The very best combination desk on the market regardless of price.

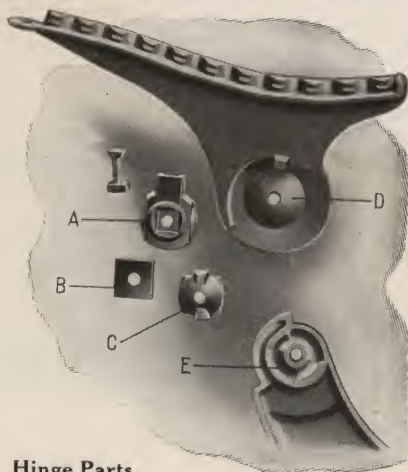
Matching Old Style Desks.—It is not wise to try to match old style desks. Many of the old styles are discontinued and the use of semi-steel will soon put all the old style cast iron desks off the market. Schools will also soon have to face the possibility of having to condemn all the old style scroll type desks as being unsanitary. When you buy school desks get a modern sanitary design.

Style of Finish.—Top woods are cherry stained; back and seat woods are made up with light natural finish, showing the beautiful quality of the woods. We recommend desks finished with cherry stained top and natural light finish back and seat woods as being the most satisfactory, and will ship desks finished that way unless otherwise ordered. It requires a very high grade of wood to finish natural, but we use only first class Southern Michigan Rock Maple throughout and so can easily furnish this extra brightening touch on backs and seats, staining only the tops for protection to the pupils' eyes. (However, where desks already installed are finished in the all-cherry, we will furnish this finish, if specified, at 10c per desk extra, to cover the present high cost of cherry stain and the inconvenience of changing the regular routine of factory operations.) Many manufacturers use a large percentage of gum wood or other cheap woods in their desks. If you insist on them delivering clear hard maple throughout, equal to our regular stock desks, you will find that they will charge you from 25 to 50 cents per desk above their regular price. Woods fit on a continuous union with small buttons from end to end on irons and will not warp. Ink-wells furnished with sizes 1, 2, 3 and 4.

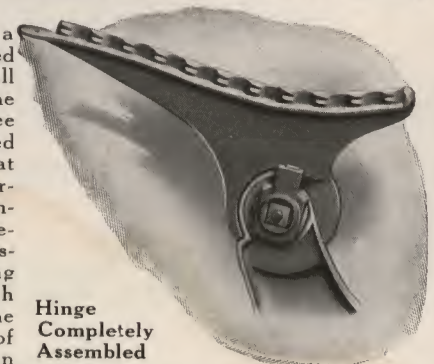
Construction of Noiseless Hinge

The Hinge is of the ball and socket pattern, with a hub-cushioned spring, very rigid and strong, absolutely positive for position and as noiseless as any hinges can be made.

EXPLANATION:—A is a nut lock; B is a disk of spring steel which fits on a rounded surface in the under side of A; C is a small cup-shaped casting which fits over the spring with its corners resting on the free corners of the spring B. The rounded surface of C fits into a cupped surface at E, and makes one side of the hinge bearing. C also has two small lugs which engage sloping ways on E and serve to depress the spring B as the entire hinge assembly is carried up and down in folding and unfolding motion. D is a cone which fits into a cup on the reverse side of the casting at E and makes the other side of the hinge bearing. With this construction it is impossible for the hinge ever to become loose or rattly, or the seat to fold or unfold with a slam. See page five for weights and dimensions.



Hinge Parts



Hinge
Completely
Assembled

THE LEADER AUTOMATIC SEMI-STEEL DESK



The Latest Addition to our Line. For Those Who Cannot Afford the New Crescent Automatic

Nothing but hard maple used. Standards are sanitary in design. Shield on feet prevents dust accumulation. Semi-steel standards, 100% stronger than cast iron.

Finish:—Three coats water-proof varnish guaranteed to stand the Southern climate. Cherry stained top, natural seat and back.

Shipped from Factory



Noiseless Hinge

Same as our New Crescent Automatic Desk.

A strictly high-grade desk in every respect. The wood used is hard maple. No beech or discolored lumber used in the manufacture of this desk.

Hinge is guaranteed to be strong and rigid, absolutely positive for position and as noiseless as any hinge can be made.

Semi-steel Standards—produced by combining in the proper proportion, steel and pig-iron, which are melted together. The result is a metal 100% stronger than ordinary iron, by which the annoyance from breakage is reduced to the minimum.

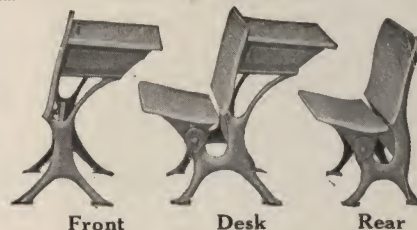
Ages Accommodated—Weights and Dimensions of Semi-steel Desks.

	Size	Height of Seat	Height of Top	Width of Top	Length	Floor Space	Age Accommodated	Shipping weight	
								Crescent Automatic	The Leader
Normal.....	No. 1	17 in.	28½ in.	16 in.	24 in.	28 in.	Adults	57 lbs	52 lbs
High School.....	No. 2	16 in.	27½ in.	16 in.	24 in.	27 in.	16 to 20	57 lbs	52 lbs
Grammar.....	No. 3	15 in.	26 in.	14 in.	22 in.	26 in.	12 to 18	47 lbs	43 lbs
First Intermediate.....	No. 4	14 in.	25 in.	14 in.	22 in.	24 in.	10 to 15	47 lbs	43 lbs
Second Intermediate.....	No. 5	13 in.	23½ in.	12 in.	19 in.	22 in.	8 to 12	38 lbs	34 lbs
Primary.....	No. 6	12 in.	22½ in.	12 in.	19 in.	21 in.	5 to 8	38 lbs	34 lbs
Rears and Fronts, six sizes, average.....								34 lbs	30 lbs

Ink-wells furnished with sizes 1, 2, 3 and 4.

The illustration to the right shows the correct arrangement of a Front, a Desk and a Rear. Front has first position in a row where no seat is especially needed. A Rear has last position where no top is needed. Space between Rear and Front occupied by any number of desks.

WRITE FOR LATEST PRICES ON DESKS



THE "SAMSON" SANITARY STEEL DESK

Built like a Steel Bridge—A Desk that will Last Forever.

Easy to sweep under.
Easy to install.

Wood and Irons Always Fit.

Does not require a
mechanic to
install.

Simple in construction.



Sanitary shoe on foot



Shipped from
New Orleans
only.

Sanitary and
Comfortable.

Absolutely
Indestructible.

No Waste of
Broken Castings.

No Complicated
Seat Hinge to
Go Wrong.

Pressed Steel
Standards
Enameled Green

Will Not Rust.

Rigid, Sturdy.

Economical.

Manufactured of Southern Hardwoods for Southern Schools. Assembled in our Warehouse in New Orleans.

Costs less than old style cast or semi-steel desks.—Remember, you save considerable in freight on steel desks as it costs considerably less to deliver a steel desk than a heavy semi-steel desk, and you have no breakage.

STANDARDS.—Heavy gauge pressed steel with reinforced sanitary foot to prevent dust accumulation, finished in olive-green enamel which will not rust in our Southern climate.

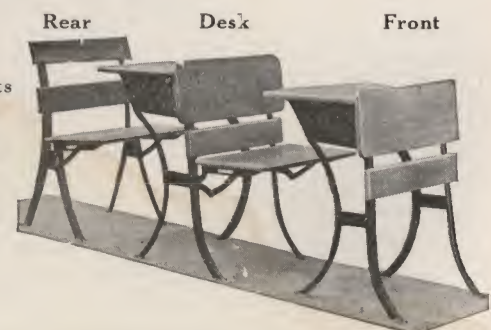
Frames are firmly riveted together, making them as secure as a steel bridge, and can be subjected to the greatest strain and vibration. The hinge is simple in construction and is impossible to get out of order. **WE GUARANTEE THE STANDARDS AGAINST BREAKAGE.**

FINISH.—CHERRY STAINED FINISH THROUGHOUT. This makes an excellent blend with the olive-green standards.

Made in six sizes of of standard dimensions. Inkwells furnished with sizes 1, 2, 3 and 4.

No.	Grade	Age	Top, size	Height	Seat	Weights
1	Normal	Adult	16x24 in.	29 in.	17 in.	40 lbs.
2	High School	16-20	16x24 in.	28 in.	16 in.	40 lbs.
3	Grammar	12-18	14x21 in.	26 in.	15 in.	35 lbs.
4	First Intermediate	10-15	14x21 in.	25 in.	14 in.	35 lbs.
5	Second Intermediate	8-12	12x19 in.	23 in.	13 in.	27 lbs.
6	Primary	5-8	12x19 in.	22 in.	12 in.	27 lbs.

Rears and Fronts for each size.



ANY PUPIL CAN INSTALL THIS DESK.

RECITATION SEATS.



ORDINARY PATTERN—FOLDING SEAT.

Made in maple only, natural finish. Four, six and eight feet lengths.

Shipped K. D.



WITH TABLET ARMS—STATIONERY SEAT.

Made in maple only, natural finish. Four, six and eight feet lengths.

Shipped K. D.

COMMERCIAL DESKS.



No. A-1 Commercial Desk.

No. A-1 COMMERCIAL DESK.

Top 24x30. Lifting lid. Regular No. 1 Adjustable castings. Fitted with two Faneuil Ink wells. Can be used with any kind of seat or chair.

No. A-2 COMMERCIAL DESK.

Top 20x26. Lifting lid. Same as Desk No. 1. Regular adjustable. Fitted with two shelves similar to No. A-1. Regular No. 1 adjustable castings. Can be used with any kind of seat or chair.

“EMPIRE” MOVABLE, ADJUSTABLE CHAIR-DESK

This X-Ray photo shows the concealed steel reinforcing tie rods and spiral dowls.



PATENTED Aug. 22, 1916
July 3, 1917
Feb. 18, 1919

The Simplicity of the
“Empire” Chair
Is Shown in the Following Facts:
5 Adjustments
Detailed at the Right
Controlled by Only Two Mechanisms

Also Heavy Wooden brace under book box fastened to back post by a steel tie hook and mortised into pedestal in front.

ADJUSTMENTS ARE STRONG BUT VERY SIMPLE
IN CONSTRUCTION, EASY TO OPERATE,
NOTHING TO GET OUT OF ORDER
—NO WRENCH NEEDED

Adjustments are five in number:

FIRST—The perpendicular adjustment of the writing table for height.

SECOND—The plus and minus adjustment, permitting the correct distance of the desk top from the pupil.

THIRD—The tilting top, permitting the writing table to be adjusted to any inclination, thus securing the correct angle of vision for reading, and the proper slant for writing and drawing. (Drawing board attachment can be furnished at slight additional cost.)

FOURTH—The lifting desk top which permits the desk to be entered from the front.

FIFTH—The detachable desk top for assembly purposes and social center work.

TABLE OF SIZES

Size	Ages	Height of Seat	Size of Desk Top	Size	Ages	Height of Seat	Size of Desk Top
1.....	Adults	17 in.	16x23 in.	4.....	10-15	14 in.	14x21 in.
2.....	16-20	16 in.	16x23 in.	5.....	8-12	13 in.	13x18 in.
3.....	12-18	15 in.	14x21 in.	6.....	5-8	12 in.	13x18 in.

The Lifting Top

Takes the Place of Hinged Seat in Old Type Fixed Desk



Because of the lifting top the child can enter and leave the Empire Desk without doubling up like a jack knife.

Consider the seat hinge of the old style fixed desk. What was it for? Solely to permit the child to stand up. That feature was forgotten when fixed desks with separate seats were put on the market. The forgetting of that detail was a serious error, which accounts for the recent practical elimination of the steel or cast desks with fixed seat or settees. The Empire Chair Desk brings back to the pupil the chance to enter and leave his desk without the need of contortion exercises.

Yesterday—the Fixed Desk—

When education meant merely drill in the 3 Rs, there was no need of movable furniture. Pupils did their work at their desks—and the fixed desk was the ideal one. Life in the school room was comparatively simple. The fixed desk, the birch rod, and the fool's cap all flourished in this era of dull routine. There was no variety, no interest, no opportunity for stimulating work. The fixed desk was a symbol of the times.

Why the “EMPIRE” Chair Desk—

- 1—Because it has the bolted construction throughout, making it practically indestructible.
- 2—Because it has the lifting top (one of several exclusive features). Pupils can arise from the desk as human beings should, and can stand erect without first having to slide awkwardly into the aisle.
- 3—Because the Empire Desk has the plus and minus adjustment, and by means of that adjustment it can quickly be adapted to any pupil.
- 4—Because the Empire Chair is hygienic in design. It is the only chair that permits of easy and effectual cleaning. There is no cumbersome metal harness to catch dust, and the lifting top makes it easy to get at every part of the desk—janitors will appreciate this feature.
- 5—Because it is the only movable equipped with the side arm which strengthens the chair in general and prohibits the pupils from sliding out or climbing over on the wrong side. Those of you who have any other movable will appreciate this.
- 6—Because there is nothing to get out of order, requires no tools to adjust. It is as simple and strong as it can be and as effective and excellent as it is simple and strong. It is the last word in school seating.

**WRITE FOR PRICES
AND SPECIAL CATALOG**

Today—the Movable Desk—

Happily with the drawing of the new era in education, the birch rod and the fool's cap passed into oblivion. Interest and enthusiasm supplemented the fear of punishment as the driving power in the school room. Today the school is a hive of industry. There is a variety of work that yesterday's school knew nothing of. Music, drawing, group work, calisthenics, social center work all have a part on the program. Where yesterday the fixed desk was ideal, today it is an obstacle to effective work and should be banished from the modern school. The furniture of the past era is just as much out of place in today's school room as the curriculum of the past. The new day has brought new methods and new ideas. These new times demand modern equipment.

OPERA AND AUDITORIUM CHAIRS.



No. 42
Strongest Opera Chair Made.

Sanitary Semi-steel Standards. Full roll seat with noiseless hinge. All veneers 5-ply, 7/16 inch thick. Stock birch veneers, mahogany finish. Can be finished as desired.

Shipped K. D. Shipping weight 22 pounds.



No. 44

A Sturdy and Comfortable Chair.

Specially adapted for picture shows. Heavy 3-ply seat and back. Double ball and socket seat hinge. Veneer birch, mahogany finish. Standards, grey finish. Made to stand rough and hard usage.

Shipped K. D. Shipping weight 15 pounds.



No. 303
An Exceptionally Fine Steel Chair.

New double ball and socket hinge. Arm rests are long and gracefully curved. Heavy five-ply veneer seat and back. Birch, mahogany finish.

Shipped K. D. Shipping weight 17 pounds.



No. 701

A Pleasing Design.

Substantial and solid. Heavy 5-ply veneers. Plain artistic arms. Semi-steel standards. Stock birch. Mahogany finish. Can be finished as desired.

Shipped K. D. Shipping weight 26 pounds.

ASSEMBLY AND FOLDING CHAIRS.



No. 201

A Heavy Substantial Chair.

Has extra strip on back, binding long legs at top. 5-ply veneers. Height 35 in.; width 19 in.; seat 17 in. high. Stock, maple natural finish or stained mahogany. Made of oak, finished as desired. Shipping weight 14 pounds to chair.

Hat wires supplied at small additional cost.



No. 146

Portable Assembly Chair.

A heavy substantial chair. Can be folded and carried off when desired. 5-ply veneers. Seat 19 in. wide; 17 in. high. Sections two, three or four chairs, maple, natural finish. Weight, 14 pounds per chair.

Same finish as No. 51 Chair.

No. 51 OUR LEADER
The Finest Folding Chair Made

Heavy 5-ply select maple veneers of correct form. Steel castings. Hard maple throughout; finished natural. Perfect compactness when folded. This is a very popular chair and is perfectly comfortable because it "fits." An admirable chair for Sunday Schools, churches and schools.

No. 50

This chair is constructed in same manner as No. 51. The seat, however, is raised to 18 inches from the floor. Back is straightened and lengthened in proportion. These changes render it the finest article one could desire for banquet or large dining halls. No protruding legs or arms to interfere with the guests or waiters.



No. 50 and No. 51

Above chairs No. 50 and No. 51 can be furnished made of maple, finished natural, weathered, mahogany, or imitation golden oak. Made of oak, finished as desired.

Wrapped and tightly bound in bundles of one-half dozen each. Shipping weight, 100 pounds to the dozen.

Sizes and Weights

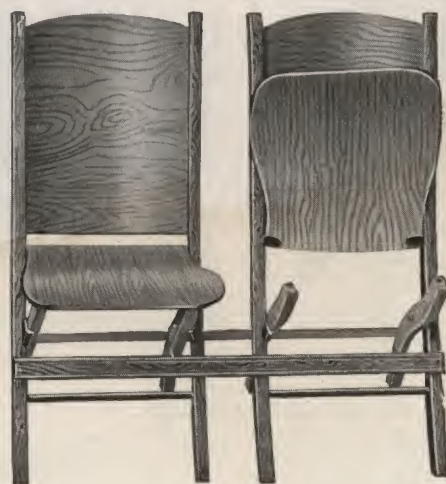
No. 51 chair can be furnished in four sizes as follows:

No. 50	Seat 18 in. above floor.	Shipping weight 100 lb to doz.
No. 51	Seat 17 in. above floor.	Shipping weight 100 lb to doz.
No. 51C	Seat 14 in. above floor.	Shipping weight 70 lb to doz.
No. 51D	Seat 11 in. above floor.	Shipping weight 70 lb to doz.

No. 49

For those desiring a chair having a seat which will raise independently when chairs are in sections or singles. Note heavy castings to support weight where legs cross.

Strips are bolted to the legs, not screwed. Heavy 5-ply veneers.



No. 49

Especially comfortable and serviceable. A fine portable assembly chair at a low price.

Hard maple throughout. Finished natural or stained Mahogany.

Height, 35 in.; width, 15 in.; seat, 17 in. above floor.

Supplied in singles or in sections; any number to section desired.

Sections shipped in K. D. form.

Shipping weight 9 pounds to chair.

Hat wires supplied at small additional cost.

FOLDING CHAIRS



No. 127
Folding Chair

Strongest Chair on the Market.
Shipment from New Orleans.



Will not tip forward.



Folds as flat
as a board.



Will not unfold accidentally.
Has hand-hold—a convenience in handling.

The strongest chair on the market. Made of straight stock and steel, thoroughly riveted. Built wide and roomy to give comfort. Rigid and solid on the floor. Steel rod extends through legs and riveted fast. All legs heavy and not easily broken. All metal parts riveted fast and cannot loosen. Heavy cross rail to support weight and carry strain. Made of hard maple, natural gloss finish. Packed for shipment, one dozen weight 115 pounds.

KINDERGARTEN CHAIRS.



No. 52

A fine chair at low cost. Has latest improved folding device, which does not mar the finish. Cannot get out of order and absolutely non-binding. Strengthened with steel rod from side to side. Perfect compactness when folded. Made of maple, finished natural only. Shipping weight, 95 pounds per dozen.



No. 15

14 inches high
Golden Gloss.



No. 55

12 inches high

Latest folding device, steel rod
side to side.
Maple natural finish.

CARRIED IN STOCK AT NEW ORLEANS

OUR CHARACTER LINE OF TABLET ARM CHAIRS

"Built like a Battleship"

Made in three sizes

TABLET ARM CHAIR No. 34

Simple and
Durable.
Bolted
Construc-
tion.



Heaviest
Tablet
Arm
Chair
Made.

SENSIBLE SCHOOL SEATING.

Strong bolted construction. Box seat; thoroughly braced. Simple. Absolutely nothing to get out of order. Heavy tablet arm, seat, etc.—half inch heavier than stock generally used. Made in quartered oak and solid birch. Write for prices and literature.



No. 484

Semi-steel standards, sanitary in design.
Hinge noiseless in operation. Veneers are
5-ply, 7/16 inch thick.
Tablet arm can be lowered when not in use.
Any finish desired.
Shipped K. D. Shipping weight, 24 pounds.



No. 661—T

A Good Strong Chair.
Golden Elm Gloss.

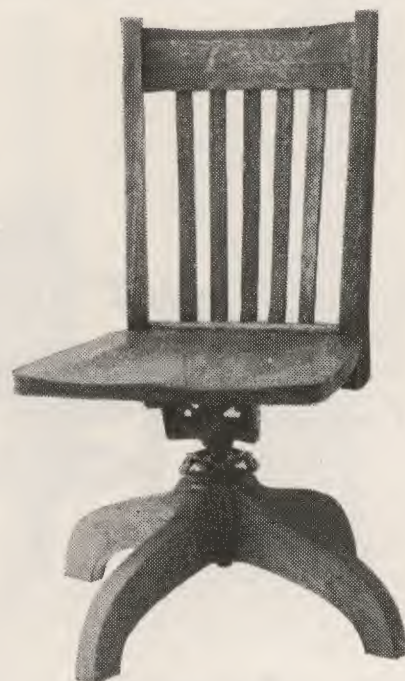


No. 1401-T.

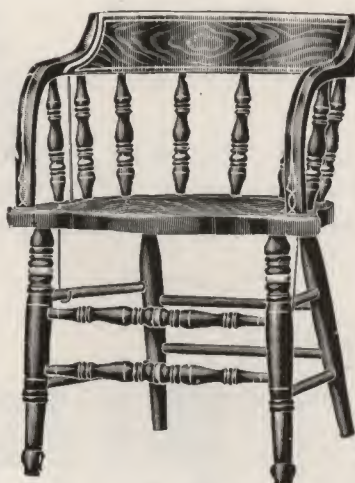
Saddle Wood Seat.
Golden Elm Gloss.



No. 6131 S. S.
Quartered Back.



No. 6131 X. D.
Quartered Back.



No. 46
Golden Oak, Gloss.
(Double Rodded)



No. 6131-8 S.
Quartered Back.



No. 6131-5 S.
Quartered Back.



No. 6961 S. S.
Full Quartered.



No. 6961 X. D.
Full Quartered.



No. 18 Vienna Chair
Cane Seat, Mahogany Finish.
35 inches high.
16 inch seat.



No. 6961-8 S.
Full Quartered.



No. 6961-5 S.
Full Quartered.



THE STANDARD CHAIR.

No. 7, Square Base Construction.

Nothing stronger can be made. Seat 14 inches in diameter. Quartered oak or birch mahogany. Frame nickel plated or oxidized copper. Weight, 10½ pounds.



SHOE FITTING STOOL.

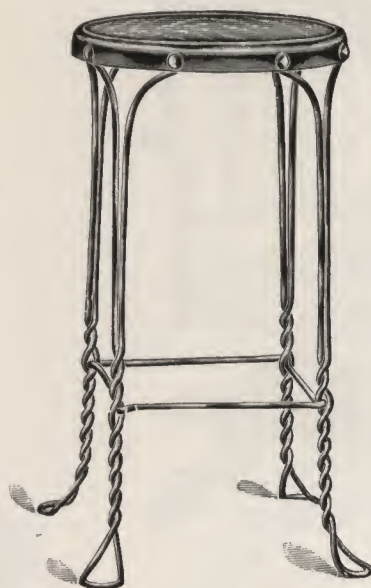
Equipped with iron heel plate protected by rubber and securely fastened; also corrugated rubber foot rest.

Top, oak or birch mahogany.

No. 185, wood top.

No. 186, imitation leather upholstered seat. Frame, nickel plated or oxidized copper.

Weight, 7 pounds.



FOUNTAIN STOOL.

Seat, oak or birch mahogany.

Heights, 18, 20, 22, 24, 26 inches.

No. 130, seat 9½ inches diameter.

No. 140, seat 12 inches diameter.

Frame, nickel plated or oxidized copper.



MILKWHITE GLASS TOPPED TABLES.

Tops, 24 and 30 inches diameter. Base, black japan, nickel plate or oxidized copper.

See price list for details.



No. 18
Boat Stool.
18 inches high.
Golden Gloss.

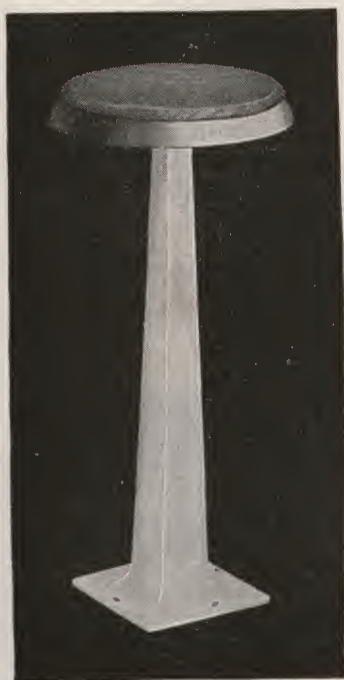


No. 24
Counter Stool.
24 inches high.
Golden Gloss.



No. 36
36 inches high.
Golden Gloss.

No. 30
Counter Stool.
30 inches high.
Golden Gloss.



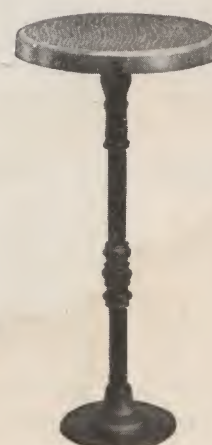
No. 603
Counter Stool.

Oak seat with cast iron nickel rings.
Black Japan pedestals.
Heights, 21, 25, 30 inches.
Furnished also with white porcelain
enamel seats and pedestals.
Weight 22 pounds.



No. 601
Counter Stool.

Oak or birch mahogany seat with
stamped steel nickel plated rings.
Black Japan pedestals.
Heights, 21, 25, 30 inches.
Weight, 18 pounds.



No. 600.
Counter Stool.

Oak or birch mahogany seat with
stamped steel nickel plated rings.
Black Japan pedestals.
Heights, 21, 25, 30 inches.
Weight, 12 pounds.

SHIPPED FROM NEW ORLEANS

No. 16
TEACHER'S DESK

Selected plain white oak, 42 inches by 26 inches. Two drawers with locks. Golden finish.



No. 16—Teacher's Desk.



No. 19—Teacher's Desk.

No. 19
TEACHER'S DESK.

Selected plain white oak, 42 inches by 26 inches. Four drawers, extension slide under writing bed. Golden finish.

TEACHER'S FLAT TOP DESK.

No. 256½—Top 28x50 in.
Weight, 170 pounds.

No. 257½—Top 28x54 in.
Weight, 190 pounds.

No. 258½—Top 28x60 in.
Weight, 210 pounds.

Plain oak. Finished golden oak, dull. Three drawers on each side.

Drawers finished inside.





FLAT TOP DESKS

No. 402—Reinforced top, 32x52 in.....	Weight, 180 pounds.
No. 403—Reinforced top, 32x54 in.....	Weight, 200 pounds.
No. 404—Reinforced top, 32x60 in.....	Weight, 205 pounds.
Plain oak; finished golden oak, dull. Drawers finished inside. Deep bottom drawer with book partitions.	

DOUBLE FLAT TOP DESKS.

Same as above. Both sides alike with deep drawer and book partitions.

No. 487—Top, 48x60 in.....	Weight, 300 pounds.
No. 488—Top, 48x72 in.....	Weight, 330 pounds.



No. 243—ROLL TOP DESK.

Plain oak, 32 in. deep; 60 in. wide; 45 in. high. Finished golden oak, dull. Drawers finished inside. One deep drawer with book partitions. Weight, 275 pounds.

QUARTER SAWED OAK FLAT TOP DESKS



No. 943—FLAT TOP DESK.

Length, 42 inches; width, 32 inches; height, 30 inches.

Quarter sawed oak, writing bed 5-ply, $1\frac{1}{4}$ in. 3-ply panels. Legs tapered and fitted with glides and brass ferrules. Hardwood drawers dovetailed front and back, movable partitions. 3-ply drawer bottoms framed in with center drawer runner.



No. 961—FLAT TOP DESK.

Length, 60 inches; width, 34 inches; height, 30 inches.

Quarter sawed oak, writing bed 5-ply, $1\frac{1}{4}$ inch 3-ply panels. Legs tapered and fitted with glides and brass ferrules. Hardwood drawers dovetailed front and back movable partitions. 3-ply drawer bottoms framed in with center drawer runner. Double drawer arranged for books or vertical file in right pedestal. Drawers finished inside.

**No. 983—TYPEWRITER DESK.**

Length, 42 inches; width, 32 inches; height, 30 inches.

Quarter sawed oak, writing bed 5-ply, $1\frac{1}{4}$ in. 3-ply panels. Legs tapered and fitted with glides and brass ferrules. Hardwood drawers dovetailed front and back, 3-ply drawer bottoms framed in with center drawer runner. Movable partitions. Drawers finished inside. Top drawer in pedestal equipped with special stationery compartment. Typewriter drop is $21\frac{3}{4} \times 23$ inches. Operation easy, not necessary to fasten machine to platform.

**No. 997—TYPEWRITER DESK.**

Length, 60 inches; width, 34 inches; height, 30 inches.

Quarter sawed oak, writing bed 5-ply, $1\frac{1}{4}$ in. 3-ply panels. Legs tapered and fitted with glides and brass ferrules. Hardwood drawers dovetailed front and back, movable partitions. 3-ply drawer bottoms framed in with center drawer runner. Top drawer in right pedestal equipped with special stationery compartment. Drawers finished inside. Typewriter drop is built for machine with long carriage. Platform 26×23 inches. Operation easy, not necessary to fasten machine to platform.



No. 952
Roll Top Desk

Length 52 inches; width 32 inches; height 45 inches.

Quarter' sawed oak, writing bed and deck top, 5-ply, 1¼ in. Scroll arms 7-ply, 3-ply panels. Legs tapered and fitted with glides and brass ferrules.

Hardwood drawers dovetailed front and back, movable partitions 3-ply drawer bottoms framed in with center drawer runner. Double drawer arranged for books or vertical file in right pedestal. Drawers finished inside.

Pigeon hole drawers and boxes conveniently arranged, including private locker and 3x5 inch card index drawer. Pasquil end lock on curtain.

No. 960
Roll Top Desk

Length, 60 inches; width, 34 inches; height, 45 inches.

Quarter sawed oak, writing bed and deck top, 5-ply, 1¼ in. Scroll arms, 7-ply, 3-ply panels. Legs tapered and fitted with glides and brass ferrules.

Hardwood drawers dovetailed front and back, movable partitions 3-ply drawer bottoms framed in with center drawer runner. Double drawer arranged for books or vertical file in right pedestal. Drawers finished inside.

Pigeon hole drawers and boxes conveniently arranged, including private locker and 3x5 inch card index.

Pasquil end lock on curtain.



“MARSH PATENT FOLDING CONSTRUCTION”



No. 117.
Typewriter Table.

Quartered oak. Top, 18x32 inches. Finished golden oak, dull.

Shipped in crates of six. Weight, 220 pounds to crate.

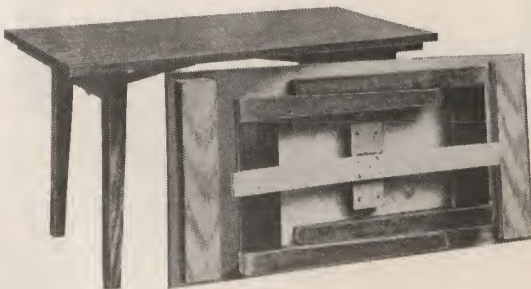


No 118.
Typewriter Table.

Quartered oak. Top, 18x32 inches. Finished, golden oak, dull.

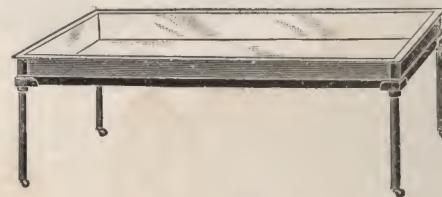
Shipped in crates of six. Weight, 220 pounds to crate.

KINDERGARTEN TABLES AND SAND TABLES



Kindergarten Table.

No. 1.....	Size, 1½x3 feet
No. 2.....	Size, 3 x6 feet



No. 100.

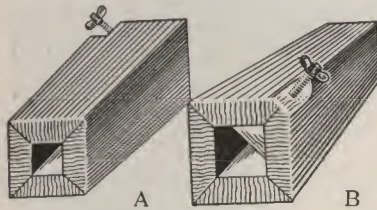
Kindergarten Sand Table.

Made of one sheet of heavy steel. Will never warp, shrink, split or leak. Finished olive green. It is held in a strong steel angle frame, with removable steel legs on ball bearing casters. Unquestionably the best Sand Table ever built. Size, 27 in. wide by 72 in. long by 4 in. deep.



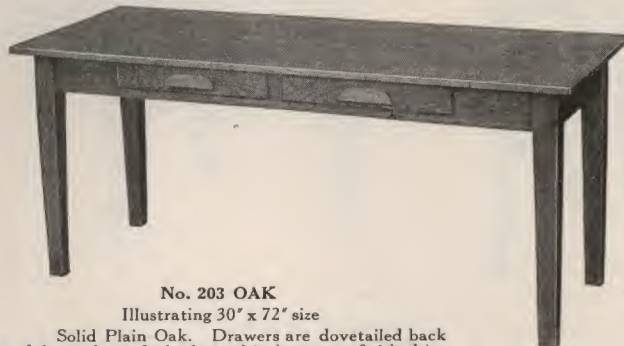
HIGH GRADE OFFICE AND LIBRARY TABLES

Samson Table Legs Built for Strength



The legs of SAMSON Tables are taper-miter-joint-boxed. This means the same thickness and strength of stock at the bottom of leg (see illustration A) as at top (see illustration B). The old method of constructing the box with miter but straight cut joints, made it necessary to cut away half or more of the leg stock at the bottom in tapering it, thereby weakening the

strength of the leg and necessarily the strength of the entire table. SAMSON legs are left open at both top and bottom, so there may be an even expansion and contraction (without breaks) of the stock thru climatic changes. This is but one of the many special features of better construction that make SAMSON Tables all that their trade-mark implies.



No. 203 OAK

Illustrating 30" x 72" size

Solid Plain Oak. Drawers are dovetailed back and front, have 3-ply framed-in bottoms, finished inside. Under-top is finished, and is re-enforced with Cleat Construction. Light Golden 4-coat Dull Finish. Shipped K. D. to take lowest freight rates. Easily set up.

No.	Sizes	Tops	Drawers	Legs	Weight	Price
203	30"x48"	All sizes	1, 19 1/8" x 19 1/8"	4, 2 1/2" solid	90 lbs.	
	30"x60"	built of	2, 19 1/8" x 19 1/8"	4, 3" solid	120 lbs.	
	30"x72"	1" solid	2, 19 1/8" x 19 1/8"	4, 3" solid	135 lbs.	
	30"x96"	stock	2, 20 1/4" x 23"	5, 3" solid	155 lbs.	

No. 203 1/2—Same as No. 203 but without drawers, and has unfinished Basswood top, which can be cleaned with sand-paper or scraper. A good laboratory or work table.

No.	Sizes	Weight	Price	Sizes	Weight	Price
203 1/2	30"x48"	90 lbs.		30"x72"	135 lbs.	
	30"x60"	120 lbs.		30"x96"	155 lbs.	



No. 323 OAK NO. 328 MAHOGANY

Illustrating 42"x96" size.

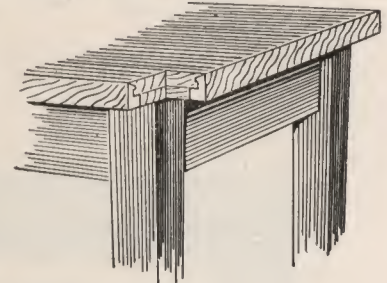
Selected Quartered White Oak. Stretcher-feet are made of built-up stock covered with 1/4" veneer. Shelf is built of 1" solid stock with sides "Interlock Re-enforced" to 2" Drawers are dovetailed back and front, 3-ply framed-in bottoms, finished inside. Under-top is finished, and is re-enforced with Cleat Construction. Light Golden 5-coat Dull Rubbed Finish. Shipped K. D. to take lowest freight rates. Easily set up.

No.	Sizes	Tops	Drawers	Columns Tapered	Weight	Price
323	36"x72"	1 1/2" 5-ply	2, 23 1/4" x 21"	4, 4 1/2" box	250 lbs.	
	42"x96"	1 3/4" 5-ply	2, 23 1/4" x 23"	4, 4 1/2" box	360 lbs.	
	48"x120"	1 3/4" 5-ply	2, 23 1/4" x 23"	4, 4 1/2" box	525 lbs.	

No.	Sizes	Tops	Drawers	Columns Tapered	Weight	Price
328	36"x72"	1 1/2" 5-ply	2, 23 1/4" x 21"	4, 4 1/2" box	250 lbs.	
	42"x96"	1 3/4" 5-ply	2, 23 1/4" x 23"	4, 4 1/2" box	360 lbs.	
	48"x120"	1 3/4" 5-ply	2, 23 1/4" x 23"	4, 4 1/2" box	525 lbs.	

Interlock Re-Enforcing Makes SAMSON Tables Better

Another of our better construction features is what we call "Interlock Re-enforcing". This is an exclusive feature with SAMSON Tables. It is used on tops, stretchers and shelves, and makes them stronger, helps to prevent warping or splitting, regardless of years of service, usage or climate, besides it presents a smooth well finished surface on the ends of the tops as well as on the sides. If you want a table that will possess dignity and strength, one that will endure and give complete satisfaction, you need look no further. Specify a SAMSON Table and your expectations will be more than realized.



NO. 329 OAK

Illustrating 34"x72" size

Solid Plain White Oak. Drawers are dovetailed back and front, 3-ply framed-in bottoms, finished inside. Under-top is finished, and is re-enforced with Cleat Construction. Light Golden 4-coat Dull Finish. Shipped K. D. to take lowest freight rates. Easily set-up.

No.	Sizes	Tops	Drawers	Legs	Weight	Price
329	30"x48"	Built of 1"	1, 19 1/8" x 19"	4, 2 3/4" solid	105 lbs.	
	32"x60"	solid stock	2, 19 1/8" x 19"	4, 3" box	140 lbs.	
	34"x72"	"Interlock"	2, 19 1/8" x 19"	4, 3" box	170 lbs.	
	36"x96"	Re-enforced to 1 1/4" thick	2, 23 1/4" x 23"	5, 3 3/4" box	215 lbs.	



NO. 321 OAK NO. 327 MAHOGANY

Illustrating 36"x72" size

Selected Quartered White Oak. Drawers are dovetailed back and front, 3-ply framed-in bottoms, finished inside. Under-top is finished, and is re-enforced with Cleat Construction. Light Golden 5-coat Dull Rubbed Finish. Unless otherwise specified is shipped with Brass Sockets; K. D. to take lowest freight rates. Easily set up.

No.	Sizes	Tops	Drawers	Legs	Weight	Price
321	30"x 48"	1 1/2" 5-ply	1, 19 1/8" x 19"	4, 2 3/4" solid	130 lbs.	
	34"x 60"	1 1/2" 5-ply	2, 23 1/4" x 18"	4, 3" box	170 lbs.	
	36"x 72"	1 1/2" 5-ply	2, 23 1/4" x 23"	4, 3 1/4" box	210 lbs.	
	42"x 96"	1 1/2" 5-ply	2, 23 1/4" x 23"	4, 3 3/4" box	320 lbs.	

No.	Sizes	Tops	Drawers	Legs	Weight	Price
327	30"x 48"	1 1/2" 5-ply	1, 19 1/8" x 19"	4, 2 3/4" solid	125 lbs.	
	34"x 60"	1 1/2" 5-ply	2, 23 1/4" x 18"	4, 3" box	160 lbs.	
	36"x72"	1 1/2" 5-ply	2, 23 1/4" x 23"	4, 3 1/4" box	200 lbs.	
	42"x 96"	1 1/2" 5-ply	2, 23 1/4" x 23"	4, 3 3/4" box	310 lbs.	

Quality—

SOUTHERN SEATING COMPANY



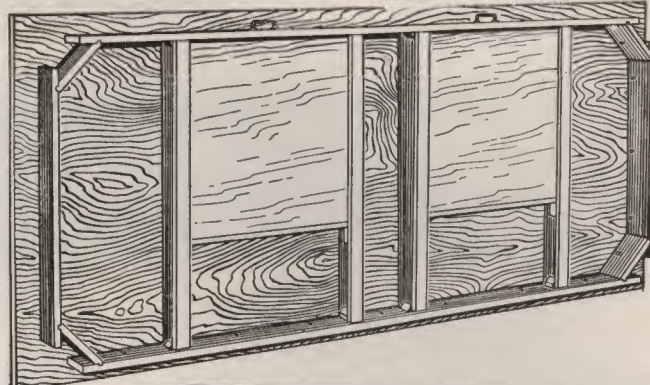
WE HANDLE ONLY THE BEST TABLES

The Under-Top Construction Makes SAMSON Tables Stronger

The "Under-Top Construction" of SAMSON Tables as here illustrated is another of our special features of better construction. Note carefully the illustration, it fairly radiates strength and endurance. Cleats of 1" stock, 4" wide are securely anchored to top on each side of drawer which are fastened to rails. The ends of cleats are fastened to rails. These cleats prevent warping of tops and serve as a firm foundation for drawer slides which are fastened to them. The ends of drawer slides are fitted into rails as well. Cleats encase drawers and make them dust proof. Drawer sides slide against half-round mould which is cut or faced on cleats, thus reducing friction to a minimum.

Drawers are dove-tailed back and front, finished inside and present a neat appearance. Bottoms are 3-ply framed-in. Drawers fit snugly between cleats used in under-top construction as explained above. SAMSON drawers will not tip down when extended, no matter how heavily loaded.

Combine the SAMSON method of Leg Construction, "Interlock Re-enforcing" of top edges and the "Under-Top Construction" and the job when completed is beyond criticism. "SAMSON" signifies greater strength and superior Construction and Finish. The significance of the SAMSON trademark is realized in every SAMSON Table.



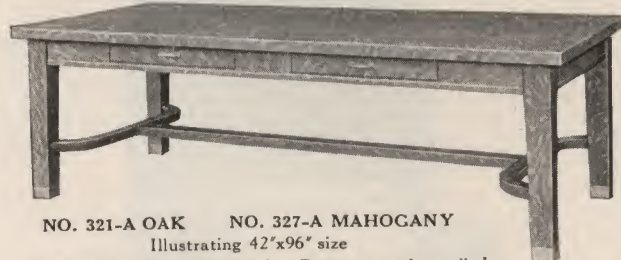
NO. 317 QUAR. OAK

NO. 319 PLAIN OAK

Illustrating 36"x72" size.

Quartered White Oak Top. Rails, drawer fronts and legs are Plain White Oak. Drawers are dovetailed back and front 3-ply framed-in bottoms finished inside. Under-top is finished and is re-enforced with Cleat Construction Light Golden 5-coat Dull Rubbed Finish. Shipped K. D. to take lowest freight rates. Brass Sockets fitted on legs at extra cost.

No.	Sizes	Tops	Drawers	Legs	Weight	Price
317	24"x36"	3/4" 5-ply	1, 17 1/4"x17"	4, 2 1/2" solid	90 lbs.	
	30"x48"	Interlock	1, 19 1/8"x19"	4, 2 3/4" solid	110 lbs.	
	34"x60"	Re-enforced to 1 1/2"	2, 23 1/4"x18"	4, 3" box	150 lbs.	
	36"x72"	Re-enforced to 1 1/2"	2, 23 1/4"x23"	4, 3 1/4" box	165 lbs.	
	42"x96"	thick	2, 23 1/4"x23"	5, 3 3/4" box	260 lbs.	
No. 319—Same as No. 317, but is Solid Plain Oak thruout.						
319	24"x36"	3/4" 5-ply	1, 17 1/4"x17"	4, 2 1/2" solid	90 lbs.	
	30"x48"	Interlock	1, 19 1/8"x19"	4, 2 3/4" solid	110 lbs.	
	34"x60"	Built of 1" solid stock	2, 23 1/4"x18"	4, 3" box	150 lbs.	
	36"x72"	"Interlock	2, 23 1/4"x23"	4, 3 1/4" box	165 lbs.	
	42"x96"	Re-enforced to 1 1/2" thick	2, 23 1/4"x23"	5, 3 3/4" box	260 lbs.	



NO. 321-A OAK NO. 327-A MAHOGANY

Illustrating 42"x96" size

Selected Quartered White Oak. Drawers are dovetailed back and front, 3-ply framed-in bottoms, finished inside. Under-top is finished, and is reinforced with Cleat Construction. Light Golden 5-coat Dull Rubbed Finish. Unless otherwise specified is shipped with Brass Sockets; K. D. to take lowest freight rates. Easily set up.

No.	Sizes	Tops	Drawers	Legs	Weight	Price
321 A	34"x 60"	1 1/2" 5-ply	2, 23 1/4"x18"	4, 3" box	185 lbs.	
	36"x 72"	1 1/2" 5-ply	2, 23 1/4"x23"	4, 3 1/4" box	230 lbs.	
	42"x 96"	1 1/2" 5-ply	2, 23 1/4"x23"	4, 3 3/4" box	350 lbs.	
	48"x120"	1 1/2" 5-ply	2, 23 1/4"x23"	5, 3 3/4" box	450 lbs.	
No. 327-A—Same as No. 321-A, but in Genuine Mahogany thruout.						
327 A	34"x 60"	1 1/2" 5-ply	2, 23 1/4"x18"	4, 3" box	175 lbs.	
	36"x 72"	1 1/2" 5-ply	2, 23 1/4"x23"	4, 3 1/4" box	220 lbs.	
	42"x 96"	1 1/2" 5-ply	2, 23 1/4"x23"	4, 3 3/4" box	340 lbs.	
	48"x120"	1 1/2" 5-ply	2, 23 1/4"x23"	5, 3 3/4" box	450 lbs.	



NO. 316 OAK

NO. 331 MAHOGANY

Illustrating 36"x72" size

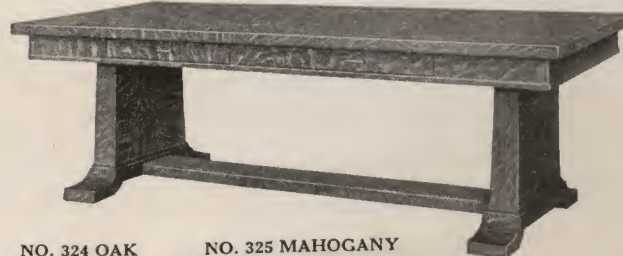
Quartered White Oak. Drawers are dovetailed back and front, 3-ply framed-in

bottoms, finished inside. Under-top is finished and is re-enforced with Cleat Construction. Light Golden 5-coat Dull Rubbed Finish. Shipped K. D. to take lowest freight rates. Easily set up. Brass Sockets fitted on legs at extra cost.

No.	Sizes	Tops	Drawers	Legs	Weight	Price
316	30"x48"	3/4" 5-ply	1, 19 1/8"x19"	4, 2 1/2" solid	120 lbs.	
	34"x60"	"Interlock	2, 23 1/4"x18"	4, 3" box	160 lbs.	
	36"x72"	Re-enforced to 1 1/2"	2, 23 1/4"x23"	4, 3 1/4" box	175 lbs.	
	42"x96"	thick	2, 23 1/4"x23"	5, 3 3/4" box	270 lbs.	

No. 331—Same as No. 316, but is Mahogany. Rails, drawer-fronts and legs are Gum-Mahogany. Top is Genuine Mahogany. Brass Sockets fitted on legs at extra cost.

No.	Sizes	Tops	Drawers	Legs	Weight	Price
331	24"x36"	3/4" 5-ply	1, 17 1/4"x17"	4, 2 1/2" solid	90 lbs.	
	30"x48"	"Interlock	1, 19 1/8"x19"	4, 2 3/4" solid	110 lbs.	
	34"x60"	Re-enforced to 1 1/2"	2, 23 1/4"x18"	4, 3" box	150 lbs.	
	36"x72"	Re-enforced to 1 1/2"	2, 23 1/4"x23"	4, 3 1/4" box	180 lbs.	
	42"x96"	thick	2, 23 1/4"x23"	5, 3 3/4" box	270 lbs.	



NO. 324 OAK

NO. 325 MAHOGANY

Illustrating 42"x96" size

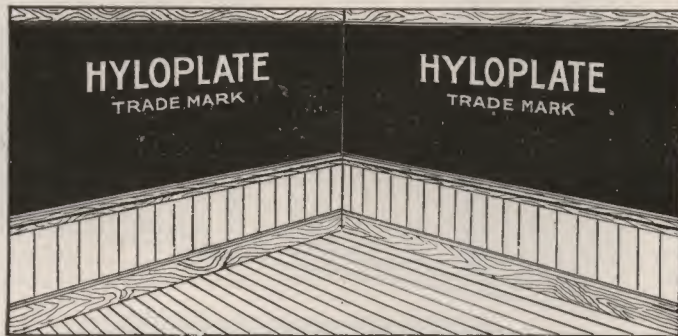
Selected Quartered White Oak. Box base ends are built of 3/4" 5-ply stock. Center column on 144" length. Stretcher-feet are made of built-up stock covered with 1/4" veneer. Shelf is built of 1" solid stock with sides "Interlock Re-enforced" to 2". Drawers are dovetailed back and front, 3-ply framed-in bottoms, finished inside. Under-top is finished, and is re-enforced with Cleat Construction. Light Golden 5-coat Dull Rubbed Finish. Shipped K. D. to take lowest freight rates.

No.	Sizes	Tops	Drawers	Base Ends	Weight	Price
324	36"x 72"	1 1/2" 5-ply	2, 23 1/4"x21"	3 1/2" box	270 lbs.	
	42"x 96"	1 1/2" 5-ply	2, 23 1/4"x23"	4 1/2" box	390 lbs.	
	48"x120"	1 1/2" 5-ply	2, 23 1/4"x23"	4 1/2" box	575 lbs.	
	48"x144"	1 1/2" 5-ply	2, 23 1/4"x23"	4 1/2" box	675 lbs.	
No. 325—Same as No. 324, but in Genuine Mahogany thruout.						
325	36"x 72"	1 1/2" 5-ply	2, 23 1/4"x21"	3 1/2" box	270 lbs.	
	42"x 96"	1 1/2" 5-ply	2, 23 1/4"x23"	4 1/2" box	390 lbs.	
	48"x120"	1 1/2" 5-ply	2, 23 1/4"x23"	4 1/2" box	575 lbs.	
	48"x144"	1 1/2" 5-ply	2, 23 1/4"x23"	4 1/2" box	675 lbs.	

The Result of More Than a Quarter of a Century of Honest Effort to Produce the Best.



The Blackboard with the Velvet Writing Surface.
Two Colors: Black and Green.



As compared with the age of any other blackboard, the guarantee we give on **Hyloplate** represents a longer period than most of other blackboards are old. Most are still in the experimental stage.

Genuine Trade-Marked **HYLOPLATE** is the Most Economical Blackboard Offered Today.

HYLOPLATE is the best Blackboard—**BECAUSE**
HYLOPLATE is durable—**HYLOPLATE** is permanent.
HYLOPLATE does not reflect light objectionably, all other blackboards do.
HYLOPLATE is dead jet black, chalk marks show perfectly. Also supplied in green.
HYLOPLATE never sweats—**HYLOPLATE** never gets greasy.
HYLOPLATE is the most easily erased of the blackboards.
HYLOPLATE has a uniformly smooth writing surface, no imperfections.
HYLOPLATE surface is suited to all sorts of chalk and crayon.
HYLOPLATE—written upon—is not noisy.
HYLOPLATE will not chip—crack—or break.
HYLOPLATE surface is elastic.
HYLOPLATE comes in long slabs—no unsightly joints.
HYLOPLATE costs less than any other **GOOD** blackboard.
HYLOPLATE is inexpensive to transport—it weighs but $\frac{3}{4}$ of a pound to the square foot.
HYLOPLATE is easy to put up.
HYLOPLATE arrives at your school safely—it does not break in transit.
HYLOPLATE carries a most liberal guarantee to give utter satisfaction.
HYLOPLATE is always available, always in stock, immediate shipment always assured.

Free sample by mail on request.

Genuine trade-marked **Hyloplate** is the best composition blackboard. It is better than real slate. More **Hyloplate** blackboards are sold to schools every year than all others combined.

THE GUARANTEE.—Genuine trade-marked **Hyloplate** is guaranteed by the manufacturers for ten years' school room use. The guarantee is liberal and leaves entirely to the purchaser the question of whether the blackboard is satisfactory or not.

The stock lengths of **Hyloplate** are 6, 8, 10 and 12 feet, never longer; and it is furnished in widths of 3, $3\frac{1}{2}$ and 4 feet, but any length desired will be cut. The price is made on the basis of even feet in length and standard widths; for instance, 4 feet 5 inches is charged as 5 feet in length, etc.



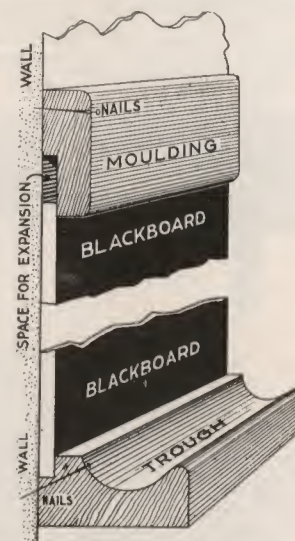
Excellent for any flat surface.

Put up in rolls containing 12 yards.

For permanent use fasten the single-surface cloth to the wall with warm flour paste containing a little glue. For temporary

use whether single or double surface, tack well upon one end, stretching smooth, and then tack along the edges at each six or eight inches. Put moulding at top and ends, and trough for crayons and erasers below.

Three and four-foot widths.



Install Blackboard Properly.—The best method of installing **Hyloplate** Blackboard is as follows (illustrated in cut): Use rabbeted moulding for top and ends of frame and chalk trough at bottom. Put up chalk trough first, set blackboard in place and allow for expansion as indicated in cut.

Let us furnish you with our Moulding and Chalk Rail and you will be satisfied.



STYLE "D" REVERSIBLE BLACKBOARD

No. 1.....	Frame, 2x3
No. 2.....	Frame, 3x4
No. 3.....	Frame, 3x5
No. 4.....	Frame, 4x6

From the floor to top of chalk rail is 2 feet, and to center of blackboard 4 feet $3\frac{1}{2}$ inches.

CRAYON AND ERASERS



Hygieia Dustless



Dover Cliff Dustless

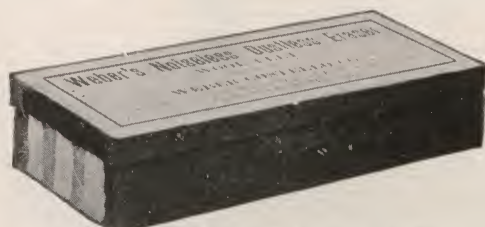


Alpha Dustless

Alpha Dustless Crayon has been in use since 1869. It is durable, dustless, does not soil the hands, makes a clean mark and absolutely sanitary.

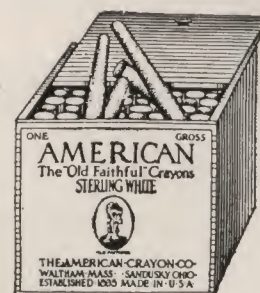
Erases easily and will outlast other crayons.

Made in three grades: "H" hard, "M" medium, "S" soft. We recommend the "M" and "S" grades for Hyloplate blackboards, the "H" for genuine slate only. One gross crayons to box, 25 boxes in a case.



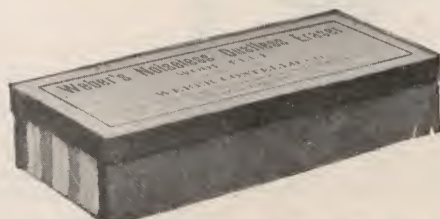
Weber's Noiseless Blackboard Eraser.

Made of the best grade of wool felt, firmly fastened to a thin wooden back. This thin strip prevents the eraser from buckling or breaking in the center, and the edges are protected by a layer of felt so that the eraser is noiseless and cannot scratch the blackboard. It is fully guaranteed. Mailing weight, 1½ pounds to the dozen.



Sterling White Crayon.

Packed in boxes containing 144 sticks. 100 gross in a case.



Costello Double Sewed All Felt Eraser.

A fine eraser, made of best quality, all wool felt, and reinforced, as shown in illustration above. Will give excellent service. Mailing weight, 1¾ pounds.



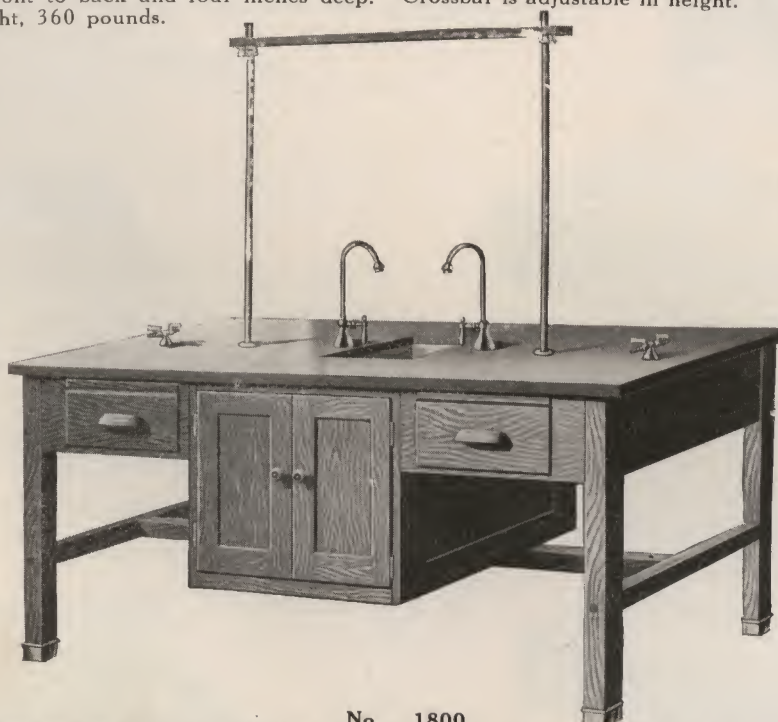
Andrew's Dustless Eraser.

It is made of strips of wool felt attached to the molded wooden backs. The felt is put on so that the rubbing is done by the ends of the fibre.

**THE GALILEO—No. 1000.**

Physics Table, 6 feet long, $3\frac{1}{2}$ feet wide, and 32 inches high. Accommodates four students at one time, two on each side. Body of selected oak, golden finish. Top of Birch, treated EBONACID. Drawers are twelve inches wide, fifteen inches front to back and four inches deep. Crossbar is adjustable in height.

Shipping weight, 360 pounds.

**No. 1800.**

Combination Physics and Chemistry Desk, 6 feet long, $3\frac{1}{2}$ feet wide, and 36 inches high. Accommodates four students at one time, two on each side. Body of selected oak, golden finish. Top of Birch, treated EBONACID. Sink is of Alberene Stone fourteen by twenty by six inches deep. Has two gooseneck water faucets and two double gas cocks, all piped to the floor. Uprights are of steel and removable.

Shipping weight, 850 pounds.

Write for Special Catalog of Laboratory Furniture



THE PRIESTLY—No. 2000.

Chemistry Desk, twelve feet long, four feet wide and thirty-six inches high. Accommodates eight students at one time, four on each side, and has one large drawer, one small drawer and one cupboard for each of sixteen students.

Body is of selected oak, golden finish. Top is of birch, treated EBONACID, or Alberene stone. Has four double long spout gas cocks, four single goose-neck water faucets and two Algerene stone sinks, all piped to the floor. Double deck reagent rack furnished when required.

Shipping weight, 2,000 pounds. Also built in six foot and eighteen foot lengths.



THE DALTON—No. 2100.

Chemistry Desk, twelve feet long, four feet wide and thirty-six inches high. Accommodates eight students at one time, four on each side, and has one drawer and one cupboard for each of sixteen students.

Body is of selected oak, golden finish. Top is of birch, treated EBONACID, or Alberene stone. Has four double gas cocks, eight water faucets, lead lined trough and two Alberene stone sinks completely piped to the floor. Double deck reagent rack furnished when required.

Shipping weight, 1,950 pounds. Also built in six foot and eighteen foot lengths.

Write for Special Catalog of Laboratory Furniture

**THE MAXWELL—No. 6000**

Demonstration Desk, five feet long, two and one-half feet wide and thirty-six inches high. Body of selected oak, golden finish. Top of birch, treated EBONACID, or Alberene stone. The uprights are of steel and removable. The faucet is double, for hot and cold water, and folds down into the Alberene stone sink, which is supplied with cover. There is one double gas cock and piping complete to the floor. Shipping weight, 500 pounds.

**No. 1950.**

Apparatus case, ten feet long, two feet front to back, six and one-half feet high. Built of selected oak, golden finish. Doors ride freely on ball bearing rollers and heavy steel tracks. Shelves are adjustable in height. Shipping weight, 1,050 pounds. Also built in five-foot sections.

Write for Special Catalog of Laboratory Furniture

BIOLOGY TABLES



THE HUXLEY—No. 4200

Biology Table, 6 feet long, $3\frac{1}{2}$ feet wide, and 32 inches high. Accommodates four students at one time, two on each side, and has one drawer for each of sixteen students.

Body of selected oak, golden finish. Top of Birch, treated EBONACID.

Shipping weight, 440 pounds.



THE LINNEAUS—No. 4300

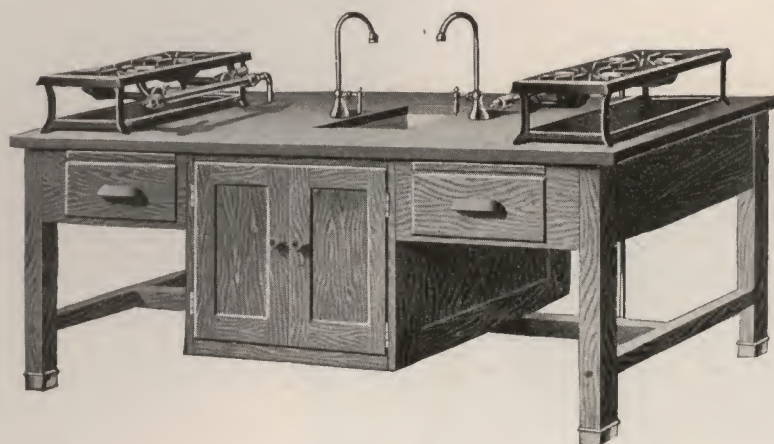
Biology Table, 6 feet long, $3\frac{1}{2}$ feet wide, and 32 inches high. Accommodates four students at one time, two on each side.

Body of selected oak, golden finish. Top of Birch, treated EBONACID.

Shipping weight, 300 pounds.

Write for Special Catalog of Domestic Science and Laboratory Furniture

DOMESTIC SCIENCE TABLES



No. 7000.

Cooking Table, 6 feet long, 3½ feet wide, and 32 inches high. Accommodates four students at one time, two on each side.

Body of selected oak, golden finish. Top of Birch, finished natural. The sink is of white enameled iron 14 inches by 20 inches by 6 inches deep. Has 2 gooseneck water faucets and 2 double burner gas stoves, all piped to the floor.

Bread boards are of Birch, unfinished.

Shipping weight, 850 pounds.

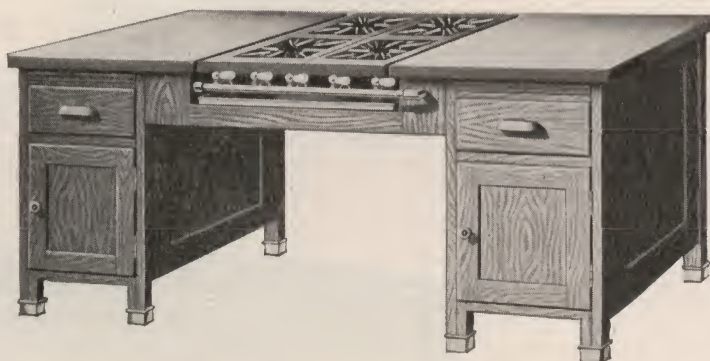
No. 7100.

Cooking Table, 5½ feet long, 2 feet wide, and 32 inches high. Accommodates two students, both facing one way.

Body of selected oak, golden finish. Top of Birch, natural finish. Stove is standard range pattern with 4 burners, 2 giant burners in front, 2 small burners behind and 1 simmering burner, piped complete to floor. Drip pan is white enamel.

Bread boards are of Birch, unfinished.

Shipping weight, 510 pounds.



No. 7200.

Cooking Table, 5½ feet long, 2 feet wide, and 32 inches high. Accommodates two students, both facing one way.

Body of selected Oak, golden finish. Top of Birch, natural finish.

Bread boards are of Birch, unfinished.

Shipping weight, 450 pounds.



Write for Special Catalog of Domestic Science and Laboratory Furniture

DOMESTIC SCIENCE TABLES



No. 8000.

Sewing Table, 6 feet long, $3\frac{1}{2}$ feet wide and 32 inches high. Accommodates four students at one time, two on each side, and has one drawer for each of eight students.

Built entirely of selected Oak, golden finish, or with Basswood top. Drawers are 12 inches wide, 15 inches front to back and 4 inches deep. Each drawer has a 4-compartment tray for pins, needles, etc.

Shipping weight, 320 pounds.



No. 8100.

Sewing Table, 6 feet long, $3\frac{1}{2}$ feet wide and 32 inches high. Extension leaves are 18 inches long and when raised make the table 9 feet long. Accommodates four students at one time without using extension leaves and eight at one time using the leaves. One drawer for each of sixteen students.

Body of selected Oak, golden finish. Top of Basswood, finished natural, or of Oak.

Shipping weight, 525 pounds.

Write for Special Catalog of Domestic Science and Laboratory Furniture



No. 9000.

WIESE STEEL LEG BENCHES

54 inches long, 22 inches wide, and 32 inches high. Tops are of 2-inch Maple or Birch. Legs are of heavy pressed steel welded and riveted. The feet are flared and flattened to provide plenty of contact with the floor. Holes are provided for bolting to the floor.

The cross and longitudinal bracing makes it impossible to wrack the bench or loosen the joints.

The design and construction throughout are based on sound fundamental engineering principles and the details are cared for in a way which insures complete satisfaction—a bench which is absolutely indestructible.

They are equipped with the Richards-Wilcox combination continuous screw and rapid acting vise. A powerfully and simply built vise with only one wearing part. This part can be replaced at a cost of a few cents when necessary. This eliminates the common source of trouble in rapid acting vises. This vise is indestructible and absolutely reliable.

General tool drawer on benches shown below is 30 inches wide, 14 inches front to back, and 5 inches deep. Individual drawers are 14 inches wide, 14 inches front to back, and 5 inches deep.

No. 9000—As above.....weight 175 lbs.
No. 9100—With 1 drawer.....weight 185 lbs.

No. 9500—With 5 drawers.....weight 210 lbs.
No. 9501—Same, with locks.....weight 210 lbs.

Also made in double width and with 3 and 7 drawers.



No. 9100

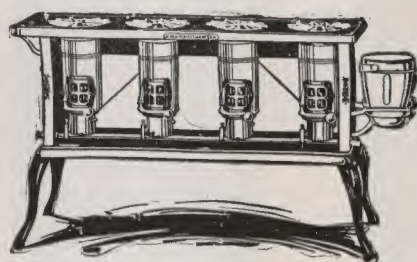


No. 9500

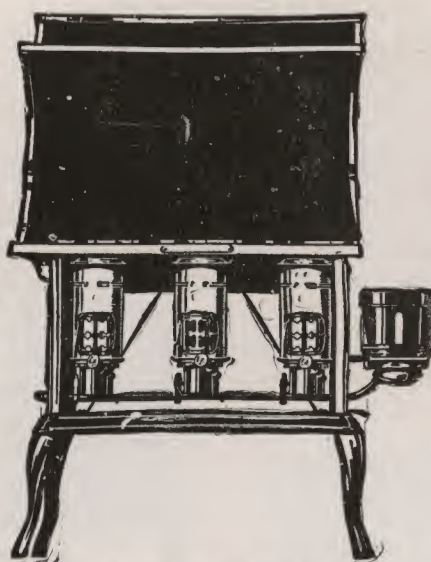
Write for Special Catalog of Manual Training Equipment

NEW PERFECTION CABINETS

Keep Walls Clean and Food Warm.



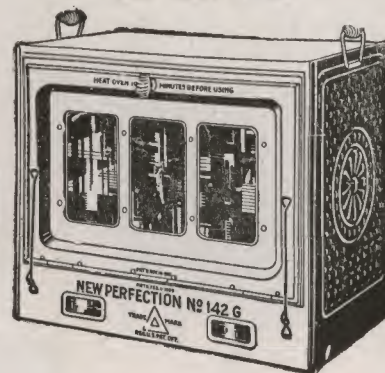
Without Cabinet



NEW PERFECTION OVENS

Bake Perfectly.

Have Glass Doors.



2-Burner Oven.

NEW PERFECTION OIL COOK STOVES

WEIGHTS AND DIMENSIONS

[illegible]



No. 421

This Solid Oak File will hold 20,000 Letter-Size Papers.

Is designated as Cabinet No. 421 and is only one of a large number in this line shown in our complete office supply catalog. Drawers are full height, operate easily on hard fibre rollers and are equipped with follow block to keep contents in vertical position. Furnished regular in natural Oak.

421RX.....	4 letter-width drawers
321RX.....	3 letter-width drawers
221RX.....	2 letter-width drawers
414RX.....	4 cap-width drawers
413RX.....	3 cap-width drawers
412RX.....	2 cap-width drawers

Also made in Invoice-widths and in special arrangements for filing most any standard size flat and folded papers. Ask for special quotations.



No. 321RX



No. 221RX



No. 1222

On 12" Leg Base No. 1221



No. 1223

On 12" Leg Base No. 1221

LETTER WIDTH DRAWERS

No. 1222—Drawers Inside: 10 inches high; 12 $\frac{1}{8}$ inches wide; 24 inches deep.

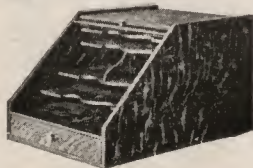
Cabinet Outside (not including base): 28 inches high; 14 $\frac{3}{4}$ inches wide; 27 $\frac{1}{2}$ inches deep.

No. 1223—Drawers Inside: 10 inches high; 12 $\frac{1}{8}$ inches wide; 24 inches deep.

Cabinet Outside (not including base): 40 inches high; 14 $\frac{3}{4}$ inches wide; 27 $\frac{1}{2}$ inches deep.

Provide Yourself or Stenographer with Stationery Cabinets

Made to hold letter, cap and invoice size papers, large and small envelopes and a drawer for carbon paper and miscellaneous items.



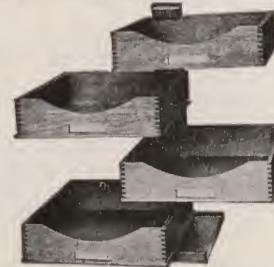
No. 140NX

Has 3-ply veneer lid which when lowered effectually closes cabinet.

Furnished regular in Natural Oak.

LETTER AND CAP SIZE DESK TRAYS

No. 9644 Four Letter Trays and Support. Trays are easily removed or adjusted.



No. 122NX—Single Letter size tray.

No. 124NX—Single Cap size tray.

No. 9644—Four-position support and cloth covered base, equipped with four letter size trays with label holders.

These Multiple-adjustable equipments also made in two and three position heights for both cap and letter trays. Let us quote you on one of these arrangements.

Increase Your Desk Space by Using Swinging Stand

Made to attach to either end of any style desk or to wall. The 14x18 inch wood tops are furnished regular in natural Oak, but golden or weathered Oak or Mahogany finish can be had on special order.



No. 5.....With black enameled metal supporting frame

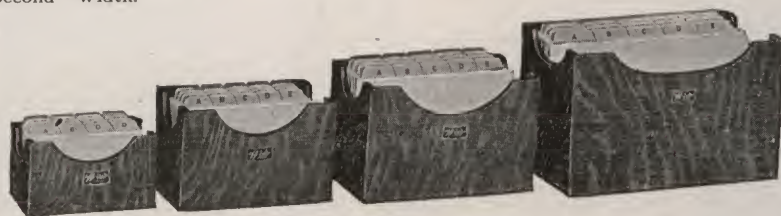
No. 6.....With oxidized copper frame

No. 7.....With nickel-plated frame

WOOD CARD INDEX TRAYS

With and Without Covers.

Made for Cards—2¼x4, 3x5, 5x3, 4x6, 6x4, 5x8, 8x5.

First Dimension—Height.
Second—Width.

TRAYS WITHOUT COVERS

No.	For Cards	Card Capacity	Length	Finish	Equipment
324	2 ¼ x 4"	200	2 ½"	Furnished	20 Div. A-Z guides and 100 cards
335	3 x 5"	250	3 "	Regular	25 Div. A-Z guides and 100 cards
446	4 x 6"	300	3 ½"	in	25 Div. A-Z guides and 100 cards
558	5 x 8"	400	4 ½"	Natural	25 Div. A-Z guides and 100 cards
624	2 ¼ x 4"	300	6 ½"	Quart. Oak	See note below
935	3 x 5"	800	9 "	but	Equipment must be specified
1035	3 x 5"	900	10 "	Golden Oak	" " "
1135	3 x 5"	1000	11 "	or	" " "
946	4 x 6"	800	9 "	Mahogany	" " "
1046	4 x 6"	900	10 "	Finish	" " "
1146	4 x 6"	1000	11 "	can be	" " "
958	5 x 8"	800	9 "	had on	" " "
1058	5 x 8"	900	10 "	Special	" " "
1158	5 x 8"	1000	11 "	Order	" " "

Note—Nos. 624 and 724 are equipped with set 20 Div. A-Z, set monthly.
Set daily 1-31 guides and 200 horizontal ruled cards.

Quartered Natural
Oak is Regular
Finish.



TRAYS WITH COVERS.

No.	For Cards	Card Capacity	Length	Finish	Equipment
423	2 ¼ x 4"	200	2 ½"	Furnished	20 Div. A-Z guides and 100 cards
533	3 x 5"	250	3 "	Regular	25 Div. A-Z guides and 100 cards
644	4 x 6"	300	3 ½"	in	25 Div. A-Z guides and 100 cards
855	5 x 8"	400	4 ½"	Natural	25 Div. A-Z guides and 100 cards
724	2 ¼ x 4"	350	6 ½"	Quart. Oak	See note below
835	3 x 5"	600	8 "	but	Equipment must be specified
846	4 x 6"	600	8 "	Golden Oak	" " "
858	5 x 8"	600	8 "	or	" " "
1353	3 x 5"	1200	13 "	Mahogany	" " "
1364	4 x 6"	1200	13 "	Finish	" " "
1358	5 x 8"	1200	13 "	can be	" " "
583	5 x 3"	600	8 "	had on	" " "
684	6 x 4"	600	8 "	Special	" " "
885	8 x 5"	600	8 "	Order	" " "

SINGLE DRAWER CARD INDEX SYSTEM.



Designed to hold cards 3 inches high by 5 inches wide, 4x6, 5x8, 6x5, and 6x9, each drawer having capacity of approximately 1,400 medium weight cards. Each drawer equipped with easily adjusted steel follow block to keep contents in vertical position, label holder and pull. Furnished regular in Natural Quartered Oak, but Golden Oak or Mahogany Finish can be had on special order.

No.	For Cards	Outside Dimensions High	Wide	Deep
1535	3x5"	4 5/8"	6 1/2"	14 1/2"
1546	4x6"	5 5/8"	7 1/2"	14 1/2"
1558	5x8"	6 5/8"	9 1/2"	14 1/2"
1585	8x5"	9 5/8"	6 1/2"	14 1/2"
1569	6x9"	7 7/8"	10 1/2"	14 1/2"

TWO DRAWER SECTIONAL CARD INDEX CABINETS



We recommend these sectional cabinets when filing requirements are subject to expansion. Purchase a top section first—until you have need for more filing space than 2,800 cards. Then add bottom sections as necessary. The sectional idea always assures you ample capacity without being compelled to transfer or change your filing system. Each drawer equipped with steel follow block, label holder and pull. The 8x5 sections fit the 3x5. Furnished regular in Natural Oak, but Golden Oak or Mahogany finish can be had on special order.

NOTE—No guides or cards supplied for above unless specially ordered. Let us quote on equipment complete to meet your filing needs. Special catalog on request.

No.	Description
T325.	Top section for 3x5 cards.
B325.	Bottom section for 3x5 cards.
395.	12" Leg Base.
T426.	Top section for 4x6 cards.
B426.	Bottom section for 4x6 cards.
496.	42" Leg Base.
T528.	Top section for 5x8 cards.
D528.	Bottom section for 5x8 cards.
598.	12" Leg Base.
D825.	Bottom section for 8x5 cards.
1825.	Top section for 8x5 cards.
395.	12" Leg Base.
T624.	Top section for 6x9 cards.
B629.	Bottom section for 6x9 cards.



No. 101, Bookcase.

Selected plain white Oak, glass doors, stationary shelves, width 38 inches, height 46 inches, depth 12 inches, golden finish.

Receding Door Sectional Bookcases

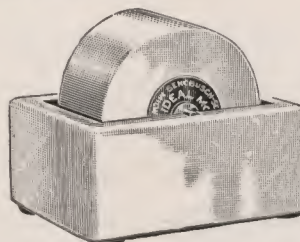
Compact Sectional Filing Equipment

Allows one choice of filing units that may be arranged to meet the requirements of almost any business or professional office or study. You can start the system with a single section on desk and add other sections as necessary. Furnished regular in natural quartered Oak but other finishes can be procured on special order. Sections are 18 in. wide and either 15 or 24 in. deep. Catalog shows many combinations.

Illustrated here is Combination No. 2061, consisting of top, 4x6 card section, document filing section and reducing rail, extra deep letter file and 16-in. leg base, complete as shown.



Combination No. 2061. Height 51 $\frac{3}{8}$ in. Regular and extra depth combined.



Ideal Moistener.

Have You One on Your Desk?

Order One Today.

Write for Our Complete Catalog of Office Furniture, Supplies, Sectional Bookcases, Filing Cabinets, Etc.



Combination No. 2029.

Are the ideal equipment for school, office and home. Start with one section and top and add other sections and bases as needs demand. All regular sections 34 inches wide and 12 inches deep outside. Furnished regular in natural quartered Oak but Golden Oak or Mahogany finish can be had on special order. Get complete catalog if interested.

Combination No. 2029.—Shown at the left is a suggested arrangement for office use. Consists of No. 0 top, section No. 20 for 8 $\frac{1}{2}$ -inch books, section No. 22 for 10 $\frac{1}{2}$ -inch and section No. 24 for 12 $\frac{1}{2}$ -inch books. The No. 84 sanitary leg base raises the stack 10 $\frac{1}{2}$ inches off from the floor. Height 52 $\frac{3}{4}$ inches; width 34 inches.

In plain Oak, quartered Oak or Mahogany finish.

Combination No. 2006.—Shown at the right is an arrangement of cases that produces a very pleasing and dignified appearance. For home use the leaded glass doors add to its attractiveness. Consists of No. 0 top, No. 20 section for 8 $\frac{1}{2}$ -inch books and two sections No. 22 for 10 $\frac{1}{2}$ -inch books, supported by drawer base No. 37. Height 50 $\frac{3}{4}$ inches; width 34 inches.

In plain Oak, quartered Oak or Mahogany finish.



Combination No. 2006.



Pint, Quart, Half-Gallon and Gallon Cans

LIQUID SLATING—BLACK OR GREEN.

Makes a perfect slate surface when applied to plaster (hard finish), paper, or boards, or to old blackboards of any kind. Dustless, common chalk, or other crayons can be used. Dries in a few minutes, and hardens in a day. A gallon will cover about 250 square feet, three coats.

We put up this slating in friction-top cans, so there is no possible chance for leakage.

SLATING BRUSHES

Bear's Hair Slating.....3-in., 4-in., 5-in.

**SWEEPING COMPOUND.**

Absolutely prevents flying dust. Destroys instantly every form of germ life. It will polish and brighten tile floor.

In 100-lb boxes and 200-lb barrels.

IMPROVED UNIVERSAL FLOOR OILER.

Half-Gallon Capacity.



Complete with filling plunger, handle, etc. More than 50,000 in successful use; the only correct method to apply floor oil or dressing on floors, prevents an over-application, eliminates an oily floor.

**FLOOR OIL.**

Prevents the dust rising, preserves the floor, reduces labor, and saves its cost many times over.

Sold by the barrel or in cans as follows:

1-gallon and 5-gallon cans;
1/2 barrel, approx. 30 gallons;
Barrel, approx. 50 gallons.

MOIST BRUSHES.

Milwaukee Dustless Brush.

Fill with 3 ounces cheap sweeping fluid.



Being "self-moistened" this brush needs no "Floor Powder" nor "Floor Oil," which saves \$20 to \$30 per brush.

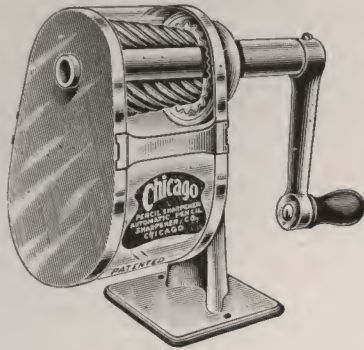
GUARANTEED five years in a ten-room home—two years in a 30x60 foot store—one year in a 60x60 store or a six-class room school building.

For dust control \$1.00 to \$2.00 worth of kerosene goes farther and does better sweeping than \$20 worth of Sweeping Compound or Floor Oil. One to two dollars will supply sufficient kerosene for the life of the brush.

Guaranteed to wear longer than \$10.00 worth of brooms, longer than \$20.00 to \$25.00 worth of "Sweeping Compound" or "Floor Oil," and to give cleaner floors at one-fifth the cost.

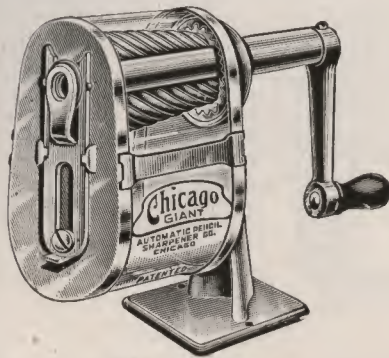
NOTE.—The small additional cost of the Moist Brush shown above over the corresponding Dry Brush of the same material saves the user \$20.00 to \$25.00 in Sweeping Compound and Floor Oil.

PENCIL SHARPENERS.



The Chicago.

Hand feed, twin milling, cutter type. Size 4 inches high, $3\frac{3}{8}$ inches long. Nickel trimmings.



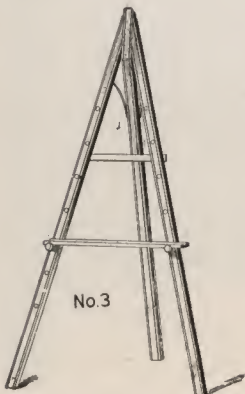
Chicago Giant.

Sharpens every size pencil or crayon made.

CRAYON COMPASSES.



No. 1.—Legs, 18 inches long; solid mahogany with adjustable holder. Rubber foot on a ball joint to protect blackboard.
No. 3.—Made of maple with rubber foot, adjustable crayon holder. Extra strong and substantial. Longer than most compasses of similar style (18 inches) and heavier $\frac{7}{8}$ -inch thick finished). The screw adjustment at the top works perfectly and holds compasses any spread desired.



BLACKBOARD EASEL.

Height to top.....72 in
Height to lowest adj...18 in
Height to highest adj...50 in
Number of adjust-ts... 7
Spread of ft. at bot.....28 in
Finish.....none
Weight, each.....20 lb

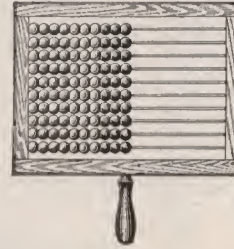
Has loose adjusting pins and shelf on which blackboard rests. Suited to blackboards 3 feet 6 inches in width.

HAND NUMERAL FRAMES.

Superior Quality.

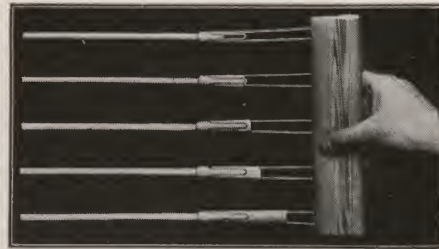
They are made in two sizes—one hundred ball and one hundred forty-four ball. Their use in the classroom is a great boon to teachers of number work.

The present day numeral frame is the modern adaptation of the oldest device in existence for the teaching of "numbers." It has continued to be a useful device adapted to all kinds of number work.



No. 21.....144 ball
No. 22.....100 ball

THE W. C. STAFF LINER.



For blackboard use in music, penmanship and mathematics. Easily and quickly adjusted to two, three, four or five lines.

INKWELLS.



Tannewitz Inkwell.



Common Sense Inkwell.



TOILET PAPERS

MIKADO

4-oz.

White Crepe.

100 rolls to case.

BOB WHITE

White Tissue.

1000 sheets to each roll.

100 rolls to case.



SCHOOL SCALES

A CONTINENTAL SPECIAL SCHOOL SCALE is part of that great American Institution—the Public School. Wherever absolute accuracy is demanded there is no greater guarantee of it than in this scale.

Of paramount importance in purchasing a school scale is its long life and dependability. Can it be moved about from place to place? Can it be subjected to the strain of weighing hundreds of children and still weigh accurately? Will its measuring device facilitate the weighing of great numbers of children in the shortest time? These and many other equally important questions that really test scale-values are all answered and satisfied by a Continental Special School Scale.

These scales are especially designed for meeting conditions that require perfect accuracy with constant use. The Continental Special School Scale is a masterpiece of scale construction and made by expert workmen. The best material obtainable is put into it. If better could be had, Continental would have it.

School officials who see these scales in action will not hesitate recommending them as standard equipment throughout. Every scale is inspected and tested with U. S. Standard Test Weights. Also, accurately adjusted and guaranteed by the manufacturer to comply with state laws.

As specialists in this field we call your attention to several features which are exclusive with our scales and the reason for these special features:

Children should be weighed and measured without shoes, and our special platform prevents the feet from coming in contact with cold metal. This is not merely a mat laid on top of the platform, but a cork inlay put in with waterproof cement and is a part of the platform.

The latest and best tables showing weight and height for corresponding age, give the total height in inches instead of feet and inches, and our measuring devices are graduated accordingly. A self-locking feature prevents the inner rod from pulling out of the outside sleeve rod while measuring—a device greatly valued by those experienced in weighing children.

In schools it is frequently necessary to move scales about and our special lever check attachment prevents the mechanism in the base from coming apart. Anyone familiar with scales will recognize at once the advantage of this.



MODEL No. 214.

With Inlaid Cork Platform and Double Measuring Rod.

The style measuring device shown has been worked out as the easiest to operate and to read for this type of scale and is more durable and superior to the style of rod which is slotted to show the lower heights.

Write for Descriptive Matter and Prices.

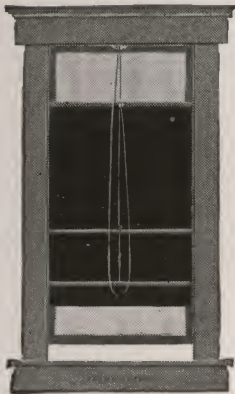
SANITARY ADJUSTABLE FOLDING AND ROLLER SHADES.

Made in Spiceland, Ind., by the oldest manufacturers of folding and roller shades. Nothing but the best grade of duck used in the manufacture of these shades.

We will furnish either Draper or Steele Shades, whichever you desire.

These shades will solve your problem of efficient shading. Can be adjusted so as to admit or exclude light from any portion of the window.

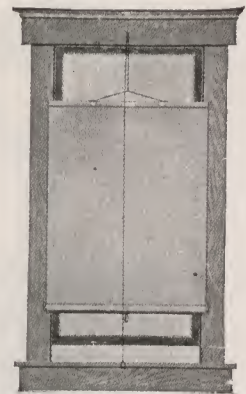
Simple and easy to operate.



No. 1
Bell Adjustable.



No. 2
Roller at top.



No. 3
Roller at bottom.

Shades furnished in Tan, Green or White Duck.

For Schools, Churches, Lodges, Offices, Courthouse and other Public Buildings.

MEASUREMENTS.—These shades are made in any size desired. When shades are to be placed on the outside, or facing, of the casing (which is the best place for hanging all shades and should be adopted when practicable, as there is less chance for annoying rays of sunlight to steal through, thereby giving better shading), give measurements from center to center of your window casings and then give the height of your window. The shades sent you will be narrower than your figures to allow necessary margin on each end of roller. Shades are hung in simple manner of one cord and pulley.

We carry no stock shades. Every shade is made to fit exact measurements sent us.

See Price List for Prices and Dimensions.

WEBSTER'S NEW INTERNATIONAL DICTIONARY

SALIENT FEATURES—This Dictionary is the latest and best of a long family of unabridged MERRIAM-WEBSTERS each the recognized authority in its time.



Regular Edition.

400,000 Vocabulary Terms, including new war words such as **Bolsheviki, brisance, fourth arm, escadrille, lorry, ace, camouflage, barrage, etc.**

Proper names, foreign phrases and proverbs, noted fictitious persons, and abbreviations are all in the general vocabulary.

30,000 Gazeteer entries.

12,000 Biographical entries

6,000 Illustrations. 2,700 pages. Colored plates and engravings.

100 valuable Tables of coins, weights, religious sects, etc. The only dictionary with the new divided page.

The type matter is equivalent to that of a 15-volume encyclopedia.

Synonyms more fully, clearly, and carefully discriminated than ever before in an English dictionary.

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Adhered to as standard by over 99 per cent of the newspapers.

All States (32 in number) that take official action regarding the adoption of dictionaries recognize the Merriam series as authoritative.

GRAND PRIZE (Highest Award) at the Panama-Pacific International Exposition at San Francisco.

The above statements cannot be said of any other dictionary.

REGULAR EDITION. Size, $12\frac{3}{8} \times 9\frac{3}{4} \times 5$ inches. Weight, 14 pounds.

Buff Buckram, indexed. Sheep, marble edge, indexed.

DICTIONARY HOLDER No. 119.

The head of this holder adjusts to any desired angle or width. The sides are operated by double acting incased springs and are polished oak.



PYRENE FIRE EXTINGUISHER.



Suppose your school house should catch afire today?

What have you done towards reducing fire hazard in your schools?

Do you know three school buildings catch afire every day during the school term in the United States?

Protect your children and school houses. Equip your schools with fire extinguishers.

Pyrene is especially adapted to use in schools. Absolutely fool-proof. Easy to operate. Cannot go wrong. Simply turn handle to right and work like a pump, which throws liquid twenty-five feet. Weight but six pounds when filled.

Liquid does not stain nor injure even the finest fabrics or records of any kind. Does not lose its strength nor deteriorate and needs recharging only when used. Will not freeze at fifty degrees below zero.

As soon as Pyrene reaches the fire it is transformed into a heavy covering gas blanket eight times heavier than air, cuts off the air supply and puts out the fire.

Approved and labelled by Underwriters' Laboratories, approved by U. S. Steamboat Inspection Service, by Bureau of Standards, Washington, and Canadian Ry. Commissioners.

GUARDENE FIRE EXTINGUISHER.

Guardene Fire Extinguishers embody all the latest improvement in soda and acid machines. They are powerful enough to handle a free-burning fire in its early stages, yet light and compact enough to permit extremely quick action. All fires are small first, and there are few fires that a Guardene won't handle if it is used during the first few minutes.

This type of extinguisher is not recommended for use on electrical fires or fires of highly inflammable liquids. For such risks we recommend Pyrene.

Each Guardene has a 17-inch flexible hose, enabling operator to aim the stream in any direction.

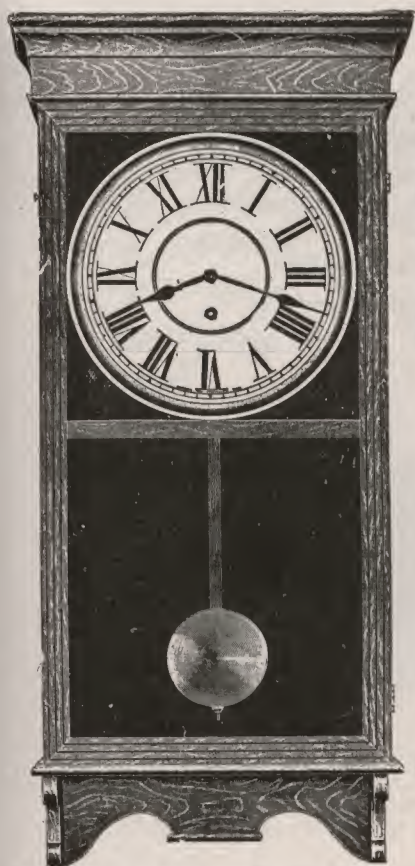
Capacity, 2½ gallons. Weight when filled, 40 pounds.



Are You Willing To Take The Chance?

SCHOOL, LIBRARY AND OFFICE CLOCKS

WE DO NOT HANDLE THE CHEAPER GRADE OF CLOCKS BUT ONLY THOSE MADE BY THE OLD ESTABLISHED CLOCK MANUFACTURERS



REGULATOR No. 2 (Sessions)
8-day. Height, 38½ inches. Oak or Mahogany. 12-inch Dial. Furnished in Time, Calender and Strike.



STAR POINTER (Sessions)
8-day. Oak. Height, 32½ inches. 12-inch Dial. Furnished in Time, Calender and Strike.



GENTRY (Sessions)
8-day. Oak. Height, 26 inches. 12-inch Dial. Furnished in Time, Calender and Strike.



GRESHAM (Ansonia)
Mahogany or Oak. Pendulum. 12-inch Dial. Arabic or Roman. Finished in 8-day Time and Strike.



INGRAHAM "ACE."
8-day. Time and Alarm. Height, 6 inches. Solid brass, nickled case, large bell on back. Stem shut-off. Time Alarm runs eight days with one winding. Packed, each in a separate pasteboard box, and 24 clocks to case.

CHURCH AND SCHOOL BELLS



Twentieth Century Steel Alloy—Full Mounted.

Every bell furnished with all mountings complete. Twentieth Century Bells are clear in tone, give an unusual volume of sound and can be heard a great distance. The dimensions and proportions have been very carefully worked out after long experience and test with a view of securing the most clear ringing sound.

WIRE WINDOW GUARDS

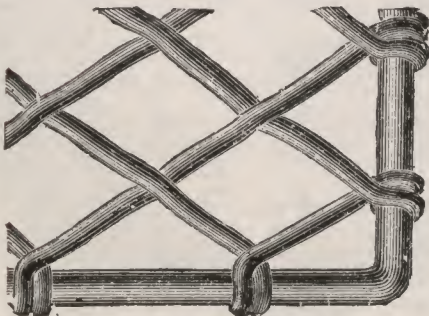


Channel Iron Frame

They protect your windows from breakage, and your houses from thieves.

Our guards are made of heavy crimped wire and are nicely painted green.

We recommend the No. 12 wire, 1¼-inch mesh, for general use.



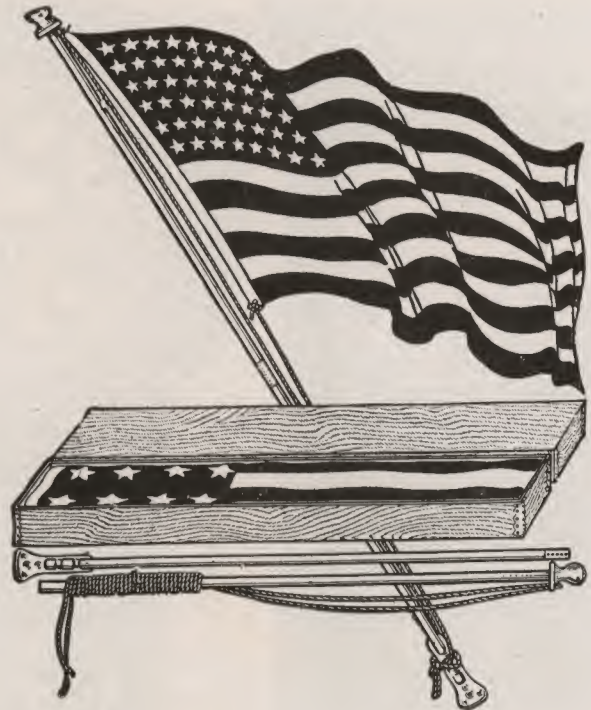
Round Iron Frame

This style frame and painted green will be invariably sent unless otherwise specified in your order. Our price list is for this style of guard.

Made any Size or Shape to fit the Window.

Measurement of Guards include the frame and are over all.

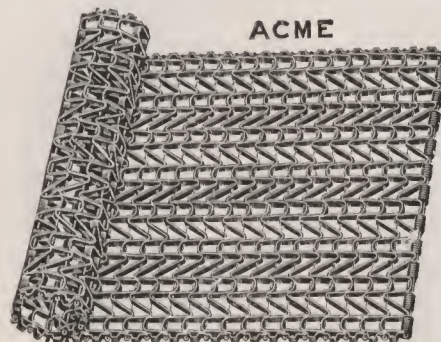
FLAGS



Do not compare this flag with goods of an inferior make and lighter texture. "Bull Dog" Bunting is made to wear. Best by Test.

Colors guaranteed fast to sun and rain. Double stitching throughout. Double hem. Stars sewed on both sides with zigzag stitch. Made in same manner as all-wool flag.

STEEL DOOR MATS



ACME

ACME FOLDING STEEL DOOR MATS.

Folds up like a rug.

HOME AND SCHOOL GLOBES.

COSTELLO HANGING GLOBE.
(Patented)

Double-Faced Meridian.

12 in. Moon Ball.....Weight 25 lbs.
18 in. Moon Ball.....Weight 65 lbs.



er and has a great deal more on it than could be shown on either the 8 or 12-inch size. The surface area of an 18-inch globe is more than 5 times that of an 8-inch, and twice that of the 12-inch.

Scale of miles: 8-inch globe, 1 inch—1000 miles; 12-inch globe 1 inch—670 miles; 18-inch globe, 1 inch—444 miles.

If the first impression is the most lasting, why not create the correct impression in the study of Geography at the beginning? The study of Geography from a flat map is like squaring the circle, and the result is a distorted idea of size, relative position and distance. The only correct way to study Geography is to use an up-to-date Globe, and the most practical one today is The Costello Suspended Globe.

This Globe can be seen by the pupils all over the room, and conveys to the pupil's mind the correct position of the earth—floating in space—and as it can be turned upon any axis, all the earth's movements are easily shown.

The globe ball is very strong and substantial and covered with an imported map which shows all the latest geographical changes. These maps are very brilliant in color, accurate, and positively will not fade. If necessary globe may be washed with lukewarm water as the finish is waterproof and scratch-proof.

It only takes a few minutes to put up one of these globes, and in schools where only one globe is purchased, extra hangers can be used and the globe can be unhooked and carried from room to room. It is very light in weight, and as it is perfectly counter-balanced it can be raised and lowered without any effort.

Comparative Size of
Globes.

As to Size:—We strongly recommend the 12 or 18-inch. The cut at the right accurately illustrates comparative size of globes—8, 12 and 18 inches in diameter.

Although equally accurate, as is obvious, the 18-inch globe-map is very much clearer



HIGH GRADE GLOBES.

PLAIN STAND.

No. 210.....	8 in., 6½ pounds
No. 220.....	12 in., 15 pounds
No. 240.....	18 in., 59 pounds

MOVABLE MERIDIAN—Graduated Both Sides.

Safety set-screw. Two-piece patent spring axis.

No. 213.....	8 in., 10 pounds
No. 223.....	12 in., 17 pounds
No. 243.....	18 in., 63 pounds

MOVABLE MERIDIAN—Graduated Both Sides.

"Costello copyrighted time horizon."

Safety set-screw. Two-piece patent spring axis.

No. 215.....	8 in., 11 pounds
No. 225.....	12 in., 22 pounds
No. 245.....	18 in., 80 pounds



We have a complete line of HIGH STAND GLOBES designed for offices, clubs, public and private libraries, high schools and colleges. They range in price all the way from inexpensive metal stand globes to the beautiful colonial style in mahogany. They are made with globe balls in size 12, 18 and 31-in. in diameter. They are most acceptable gifts. Send for special descriptive literature and prices if interested.

BACON STANDARD SERIES WALL MAPS

48 INCHES WIDE.

Engraved by G. W. Bacon & Co., Ltd., London, England.

This is a splendid school series larger in size than is usually offered at a popular price.

In place of being engraved to suit a narrow and long sheet as is ordinarily the case, this series is engraved to allow a larger map of each country, on a wide and short sheet just as is the rule for all high priced maps.

The maps of the United States, Europe, Asia, Eastern and Western Hemispheres and the World are made full 48 inches wide and 41 inches long, while those of North America, South America and Africa which are shown on large scale engraved the other way of the map-sheet, are lithographed on sheets 36 inches wide by 52 inches long.

Larger scale maps are thus secured in this set than where maps are all made on narrow and long sheets.

More and clearer detail is secured.

The maps are easily read at a greater distance.

The Bacon Standard Series is put up in a case 50 1/2 inches long.

The Hemisphere maps are shown in satisfactory size side by side on the same sheet—a desirable feature ordinarily offered only in much higher priced sets. And because of this, where a State map is desired in Set of 8 maps, it may be secured without sacrificing the efficiency of the Bacon Standard Series.

The maps are all machine mounted on extra heavy cloth backing, making them almost equal to best grade hand-mounted maps in wearing qualities.

Names are shown in well chosen lettering of distinctness and are all horizontal.

All maps are revised up to time of issuing of each edition.

They show comparative time when noon at Greenwich, principal ocean routes, cable lines, ocean currents, length of principal rivers and height of mountains.

Maps of each country give all necessary parts of adjacent countries for proper association.

Map	Size	Scale Mi. to In.	Map	Size	Scale Mi. to In.
United States.....	48x41 in.	69.79	World Mercator.....	48x41 in.	*575.16
Europe.....	48x41 in.	81.98	North America.....	36x52 in.	115.85
Asia.....	48x41 in.	171.87	South America.....	36x52 in.	108.74
Eastern and Western Hemis.....	48x41 in.	*576.83	Africa.....	36x52 in.	141.74

*Equatorial Scale.

WE ISSUE A SPECIAL CATALOG OF MAPS AND GLOBES SHOWING OUR COMPLETE LINE.
WRITE FOR ONE TODAY.

STANDARD SERIES BLACKBOARD OUTLINE MAPS

These Blackboard Outline Maps are of exceptional quality. They are not made with stencils. The outlines are permanent and cannot be erased. The maps are accurate and up-to-date.

The "W" Series of Outline Maps are distinctive and of unusual merit. They are hand-made with continuous white lines. All maps, the style number of which is preceded by "W", are made on double-faced slated cloth. They hang flat because of this and will not curl up on side edges. The reverse side may be used for flexible blackboard purposes. The "W" Series of maps are uniform in size—50 inches wide and 60 inches long, or 60 inches wide and 50 inches long, and the maps are full scale, outlines extending clear to the edge, thus oftentimes making a larger scale map than one drawn on a larger sheet, but with outlines not extended to edges of same.

Maps not of the "W" Series have the water boundaries in continuous white lines, State and Province lines dotted, and boundaries between Continents indicated by dot and dash.

Number	Map	Size
W 1	Africa.....	50x60
W 2	Africa.....	44x50
W 3	Asia.....	60x50
W 4	Asia.....	50x44
W 5	Australia.....	48x42
W 6	Australia.....	60x50
W 7	British Isles.....	50x60
W 7 1/2	British Isles.....	44x50
W 8	Canada.....	60x50
W 9	Eastern Hemisphere.....	50x60



Number	Map	Size
W 10	Eurasia.....	60x50
W 11	Europe.....	60x50
W 12	Europe.....	50x44
W 13	North America.....	50x60
W 14	North America.....	44x50
W 15	Oceania.....	60x50
W 16	Palestine.....	50x72
W 17	Palestine.....	50x60
W 18	South America.....	50x60
W 19	South America.....	44x50
W 20	Western Hemisphere.....	50x60
W 21	United States.....	52x38
W 22	World Mercator's Proj.....	52x38
W 23	United States, one side, the World, the other.....	52x38
W 24	United States.....	60x50
W 25	World Mercator's Proj.....	60x50
W 26	United States, one side, the World, the other.....	60x50

Number	Map	Size
27	United States.....	72x50
28	World Mercator's Proj.....	72x50
29	United States, one side the World, the other.....	72x50
30	United States, Eastern.....	50x72

*State maps are usually made without county outlines, as frequently the scale is too small to satisfactorily show counties, and they are not practical in actual use. States indicated thus (C) may be had with county outlines. If wanted that way, specify plainly on order, otherwise the regular skeleton outline is supplied.

WS51	Alabama.....	50x60
WS58	*Florida (c).....	60x50
WS59	Georgia.....	50x60
WS66	*Louisiana (c).....	60x50
WS72	Mississippi.....	50x60
WS83	North Carolina.....	60x50
WS90	*South Carolina (c).....	60x50
WS92	Tennessee.....	60x50

BLACKBOARD OUTLINE MAPS Historical Series.

Number	Map	Size
W200	Ancient World.....	60x50
W201	Ancient Countries.....	64x50
W202	Ancient Greece.....	50x60
W203	Ancient Italy.....	50x60
W204	Ancient Gaul.....	60x50
W205	Roman Empire.....	60x50
W206	Mediterranean and Environs.....	60x50
W207	Colonial Area U. S.....	50x60

BACON SEMI-CONTOUR SERIES OF POLITICAL WALL MAPS

By G. W. Bacon & Co., Ltd., London, England.



The Bacon Semi-Contour Series of Political Wall Maps is planned on

entirely new and original lines. They conform to the most advanced ideas of present day school room requirements.

A knowledge of the location of numerous small cities is no longer required of pupils, but modern textbooks do emphasize relief, rainfall, temperature, population density, etc. The new Semi-Contour maps will be welcomed by the well informed teacher of Geography and by the up-to-the-minute school superintendent for the following reasons:

CLASS POINT OF VIEW: The series has been drawn chiefly to be viewed from the distance of the class. Although a wealth of valuable additional information is apparent upon close inspection, the minor details are so placed on the map as not to obscure the big facts. In this respect the geographer-artist has been wonderfully successful.

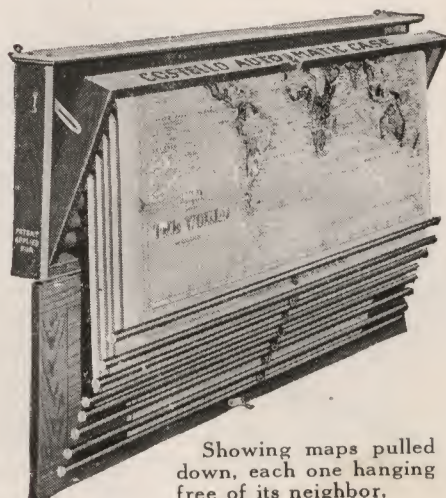
NOT FENCED IN: The most striking thing about these new maps is the absence of borders and margins. The map extends right to the edge of the sheet. This makes possible the largest scale, and saves the schools the needless expense of paying for blank cloth and paper. But

ing for blank cloth and paper. But much more important than either of these, is the fact that the omission of borders aids the pupil in getting correct concepts of the earth. The waters of the earth are continuous. The child is likely to get the impression from other maps that certain parts of the Atlantic belong to South America and other parts to Africa, etc. From these new maps he gets a correct conception, for the map looks like a piece cut out of a large globe. One can never forget these maps after having once seen them.

Bacon Semi-Contour Series of Political Wall Maps.

Map—	Size of Sheet	Size of Engraving	Sc. Mi. to in.	Map—	Size of Sheet	Size of Engraving	Sc. Mi. to in.
U. S.	48 1/2 x 44"	48 1/2 x 39"	64.4	World Mer.	48 1/2 x 44"	48 1/2 x 39"	*523.6
Europe	48 1/2 x 44"	48 1/2 x 39"	68	N. A.	42 x 60"	42 x 55"	94.7
Asia	48 1/2 x 44"	48 1/2 x 39"	164	S. A.	42 x 60"	42 x 55"	86.8
E. and W. Hems.	48 1/2 x 44"	48 1/2 x 39"	*523.6	Africa	42 x 60"	42 x 55"	113.6

*Equatorial Scale.



Showing maps pulled down, each one hanging free of its neighbor.

COSTELLO AUTOMATIC MAP CASE

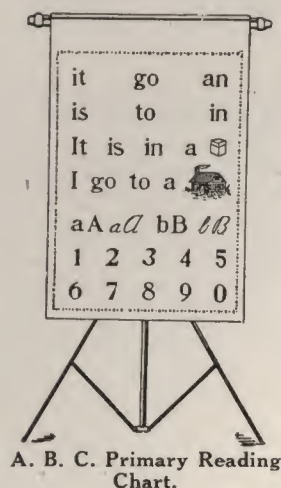
Patented February 20, 1917.

This ingenious development of the drop door map case has every advantage possessed by the latter plus improved features which combine to make the "COSTELLO AUTOMATIC" the ideal map mounting.

The particular individual feature of the "COSTELLO AUTOMATIC" is the unique arrangement of the map rollers which permits each map to hang entirely free from all the others. This is a decided advantage and prevents any objectionable noise as the maps are drawn down or pulled up. Moreover, there is no wear or rubbing of the maps themselves from being pulled over the map on the next roller below. Maps last much longer and the class room is quieter. The case is built of oak in the antique golden oak finish and varnished. It is as compact as any case made and is a handsome, substantial piece of school room furniture.

The map rack proper is separate from the enclosing case. It is cleverly hinged and fitted with an automatic stop, so that as the drop door is opened the rack is drawn forward and automatically stops at just the proper angle. Each map can be drawn down without touching its neighbor.

We recommend that the Bacon Semi-Contour Maps be purchased in the Costello Automatic Map Case.



McConnell's A. B. C. Primary Reading Chart.

40 Pages. Size, 30x40 inches. Lithographed on Strong Jute Chart Stock, the Edges being Bound with Linen Tape.

This chart fills the demand of primary teachers for a chart containing material of a more primary nature than is to be found in any other chart published.

It consists of primary work only and is carefully graded; beginning with the Alphabet, Capital and Small Letters in both Roman and Script. Following the Alphabet come words of two letters. These are followed with words of three letters, and so on—the advance being made slowly.

Medial Slant Script, Objects for Drawing, and nice illustrations on most of the pages make them interesting to the pupils.

Primary Principles in Arithmetic and Multiplication Tables up to 12 times.

Shipping weight, complete with revolving adjustable steel stand, 12 pounds.

McConnell's Primary Reading Chart

40 Pages. Size, 30x40 inches. Lithographed on Strong Jute Chart Stock, the Edges being Bound with Linen Tape.

CONTENTS.

18 Pages Primary Reading.
6 Pages Primary Arithmetic.
1 Page Geographical Definitions.
1 Page Color Chart.

3 Pages Primary Drawing.
3 Pages Primary Music.
4 Pages Penmanship.

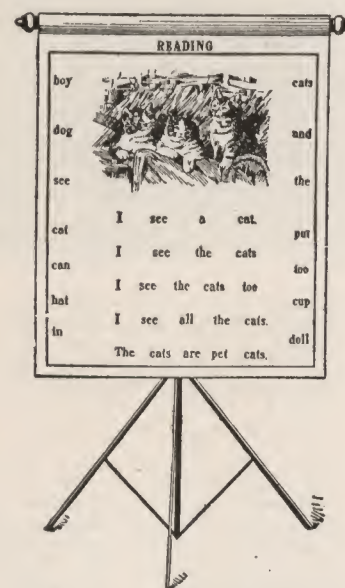
Reading—Carefully Graded. Word and Object Method Combined.

A Complete System of Phonics. Medial Slant Penmanship.

Multiplication Tables. Tables of Weights and Measures.

Fine Illustrations.

Shipping weight, complete with revolving adjustable steel stand, 13 pounds.



McConnell's Primary Arithmetic Chart.

40 Pages. Size, 24x36 inches. Beautifully Lithographed in Black and Colors on Strong Jute Chart Stock, the Edges being Bound with Linen Tape.

These charts show the first principles of numbers by means of objects, such as butterflies, apples, pears, peaches, cherries, raspberries, strawberries, blackberries, etc., all lithographed in natural colors, making them pleasing and attractive, "Good enough to eat," as one child put it.

The good primary teacher is always at a loss for objects to show the first principles of Arithmetic during the first year that the child is in school; objects that will interest the child and yet enable the teacher to hold the attention of the whole class at the same time.

This series of charts solves the problem, by putting in the hands of the teacher a means of showing the principles of Addition, Subtraction, Multiplication, and Division, and the tables of Weights and Measures, in a pleasing, easy and attractive manner.

Shipping weight, complete with revolving adjustable steel stand, 11 pounds.





No. 1.

Sanitary Bubbling Drinking Fountain No. 1.

The cooler furnished with our Fountain No. 1 consists of a heavy stone lining, or inside container with oval bottom and straight sides incased by a galvanized aluminum-coated metal jacket with the space between packed with pure natural granulated cork.

The heavy stone container, owing to its shape, is not subject to breakage through freezing of water left overnight. Not affected by mineral water as with metal containers. Water always cool; easily cleaned. Water exit in center of oval bottom and container can be drained to last drop.

Outer casing projects several inches below stone lining and causes a satisfactory flow through bubbler as long as there is water in container. Water remaining in cooler overnight can be drained directly into waste pail by simply turning lever cock just below the container.

This outfit is equipped with bubbler attachment having porcelain bowl, and is supported upon a heavy steel Japanned stand. Waste pail is furnished with the outfit.

Made in two sizes, 5 and 10-gallon capacity.

Sanitary Bubbler Drinking Fountain No. 3.

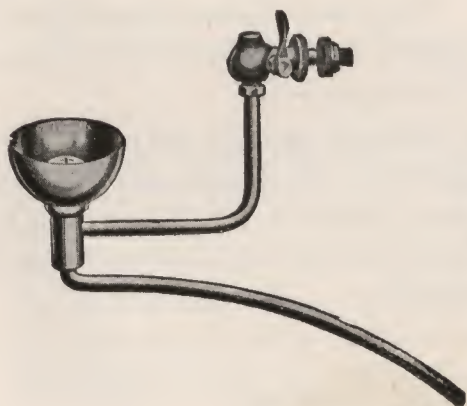
Consists of ordinary stone cooler, bubbler attachment, stand and waste pail. While this outfit does not have the advantages of combination No. 1 Fountain, it does good work, and with proper care by the teacher, will fill the requirements.

In deciding between these outfits, bear in mind that the stone cooler furnished with No. 3 Fountain is subject to breakage by freezing on account of its flat bottom and small top, and that the cooler cannot be entirely drained at night without removing same from stand—not even by running water through the bubbler—because of the exit being located in the side of the container instead of the bottom.

Made in two sizes, 5 and 10-gallon capacity.



No. 3.



Gravity Bubbler Attachment.

Substantial brass fittings, pickel-plated. Bubbler is equipped with brass or porcelain cup as desired, shaped so that the lips do not touch bubbler head. The bracket is constructed with sufficient drop so that a good flow is obtained through bubbler even when the water is low in the cooler. Can be attached to any size stone cooler. Nipple and aluminum finished iron waste included.

Weight, 1¾ pounds.

No. 1 Bubbler.....	Fitted with Brass Bowl.
No. 2 Bubbler.....	Fitted with Porcelain Bowl.

THE SMITH SANITARY BUBBLER DRINKING FOUNTAIN

The Smith Sanitary Bubbler Drinking Fountain is a scientific, practical and inexpensive method of providing a fresh, clean drink in country and village schools, churches, offices and other buildings where running water suitable for drinking purposes is not available.

It protects the lives and health of the children, because:

The water supply is kept clean and cool.

A fresh clean drink is provided for each person.

The spread of dangerous contagious disease germs is prevented.

The Smith Sanitary Bubbler Fountain

Does away with the "sloppy" water pail.

Is an ornament in the room.

Requires no more water than the old fashioned water pail and dipper.

Death Lurks in the Common Cup.

This is evidenced by the fact that in practically every State of the Union and Province of Canada, the Common Drinking Cup is barred from schools and public places by stringent laws, or orders of Boards of Health.

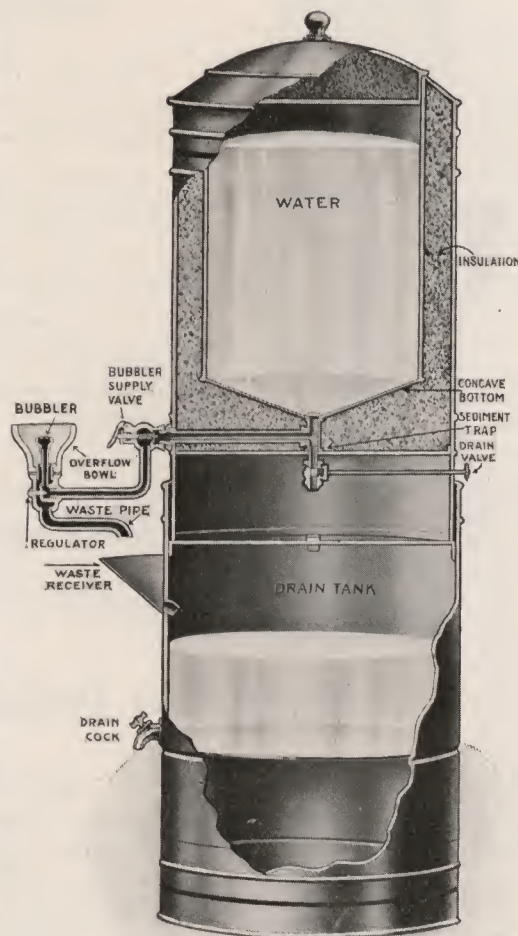
An examination made of common drinking cups in Minneapolis some time ago revealed the fact that ten million germs were found on a single cup, including germs of Diphtheria, Scarlet Fever, Tonsilitis and many other dangerous diseases.

The Smith Sanitary Bubbler Drinking Fountain protects against the spread of disease.

BECAUSE:

It is so constructed that the drinker's lips do not touch the bubbler head, and none of the unconsumed drink flows back into the feed pipe.

There is no chance for contamination and spread of disease germs.



A FOUNTAIN OF HEALTH
Sectional View.

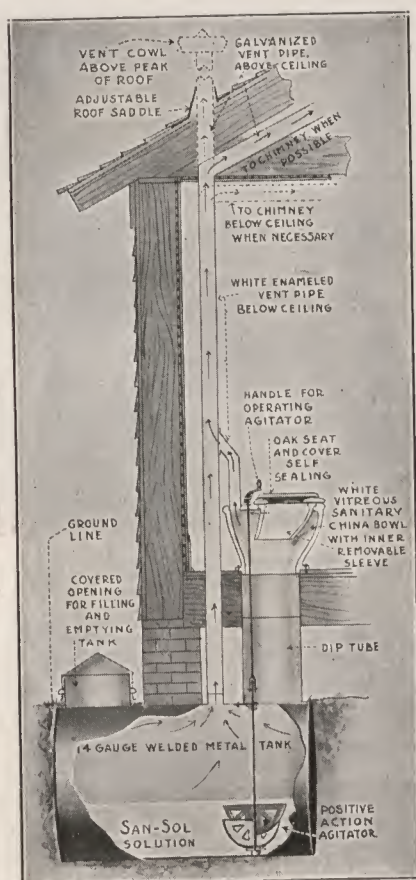
In use in many thousand schools in all sections of the country, including the Dominion of Canada.

The United States Government uses it extensively in its Indian Schools.

Can you afford to deny this protection to the health and lives of your children? The investment is only nominal, but the benefits are untold.

Write Today for Prices and Special Catalog

THE SMITH SANITARY CHEMICAL CLOSET



SMITH SANITARY CHEMICAL CLOSET
Sectional View

A safe, sanitary and scientific system of sewage disposal for country and village schools, public buildings, factories and residences not accessible to a system of water works or sewer connections.

The cost is less than that of a Water Closet.

The upkeep is very modest.

The results are most satisfactory.

"When closets are located outside the building, many children will refuse to respond to the call of nature on account of exposure to cold, and in consequence of delay, will suffer from constipation, hemorrhoids, etc."—Dr. J. N. Hurty, Secy. Indiana State Board of Health.

The Smith Sanitary Chemical Closet is a Waterless System of sewage disposal, easily installed in any building at small cost.

"One of the greatest agencies in the spread of disease is the insanitary privy found in most farm yards and in many small towns. Many diseases may be transmitted by allowing the excreta from the human body to come in contact with food and drink through the assistance of soil, birds, insects, and small animals."—Kansas State Board of Health.

The Smith Sanitary Chemical Closet

1. Positively prevents the pollution of wells, springs and other sources of water supply.
2. Completely sterilizes and renders harmless the solids and liquids in sewage.
3. Absolutely eliminates the chief breeding place of that disease-carrying pest and menace the common house-fly.
4. Conveniently provides a clean sanitary and odorless indoor toilet.
5. Constantly carries away by means of the scientific ventilating system all smells and odors arising from excretions.
6. Permanently does away with the inconvenience and discomfort of the outside "privy," with its objectionable odors, especially in summer, and uncomfortable winter temperature.

The Smith Sanitary Chemical Closet is not an experiment.

BECAUSE—

It has been in successful operation for many years in every climate and under all conditions.

Write today for full information and prices.

"It would be difficult to exaggerate the filthy conditions which exist in connection with outbuildings of rural schools."—Bulletin Missouri State Department of Education.

THE OLD WAY OF TRYING TO HEAT A SCHOOL ROOM



A SCHOOL ROOM EQUIPPED WITH A COMMON STOVE

The Result: Some parts of the room are roasting hot, others are freezing cold. The floors are cold and the children suffer from cold feet.

It takes a long time to heat the room in the morning.

There is absolutely no ventilation. The air in the room is dry and oppressive. It soon becomes foul and unfit for human beings to breathe. When windows are opened, the cold air from outdoors rushes in, a draft strikes the overheated child, and the mischief is done. A "cold" follows. Often this results in an attack of "La Grippe" or "Pneumonia." Not infrequently the health of the child is permanently injured. In many cases that dread disease, Tuberculosis, is developed and soon another victim of the White Plague is hurried to an untimely grave.

It Wastes Fuel. It Wastes Floor Space. It Destroys the Health and Lives of Children.

The Reason: A common stove cannot properly heat and ventilate a room because it is not constructed upon a basis to make this possible. A common stove simply generates the heat, but has no facilities for distributing the heat or for ventilating.

Discard the Old Stove in Your School without Delay, Because—

It is a detriment to your school. It prevents the teacher and pupils from doing their best work.

It is a constant menace to the health and lives of your children.

It is an unwarranted extravagance and represents a waste of Public Funds.

Some States by Law Prohibit the Use of Common Stoves in Schools.

The installation of the Smith System of Heating and Ventilation will solve this problem of properly heating and ventilating YOUR school, as it has already done in many thousand schools.

Covington, La., Oct. 25, 1919

We have been using the Smith System of heating plants in the schools of this Parish for the past five or six years with general satisfaction. I do not hesitate to speak a good word for them whenever the opportunity presents itself.

ELMER E. LYON,
Supt. St. Tammany Parish

Jackson, Miss., Oct. 30, 1919

Please permit me to state that in my opinion the Smith System of Heating is not excelled by any other. If properly installed and properly used this system or similar system of heating gives better ventilation and more satisfactory heat than any other I know of, and for this reason I frequently urge building committees to arrange for their use by having flues made large enough. I unhesitatingly recommend the Smith System.

J. T. CALHOUN,
State Rural Schools Agent

THE MODERN WAY OF HEATING AND VENTILATING A SCHOOL ROOM



A SCHOOL ROOM EQUIPPED WITH THE SMITH SYSTEM

The Result: The floors are warm and the children are always comfortable. All parts of the room are heated alike—whether 3 or 30 feet away.

The room is heated quickly in the morning.

There is perfect ventilation. An abundance of pure, fresh air is constantly brought in from outdoors, warmed and given the proper amount of moisture and then distributed evenly to all parts of the room without causing drafts. In the meantime, the cold and foul air is being removed from near the floor by the action of the powerful Smith Foul Air Extractor.

It Saves Fuel. It Saves Floor Space. It Saves the Health and Lives of Children.

The Reason: The Smith System properly heats and ventilates a room economically because it is based on scientific principles and operates in accordance with Natural Laws utilizing the waste products of combustion to distribute the heat, and remove the foul air.

Install the Smith System in Your School at Once, Because—

- It will improve permanently all lines of school work and enable your Teacher and Pupils to accomplish fully 25 per cent more and better work than would otherwise be possible.
- It will permanently safeguard the Health and Lives of Your Children.
- It will reduce the running expenses of Your School, while at the same time giving your children the same comforts and conveniences as the Children in the Cities now enjoy.

The Smith System is Guaranteed to Meet the Requirements of Every State.

Remember, that whatever system you install will remain in Your School for at least a generation to come. You can not afford to make a mistake or experiment. Experiments are costly. Get the original time-tried and successful Smith System, and beware of makeshifts, and cheap imitations.

INSTALL THE SMITH SYSTEM AND MAKE SURE OF GETTING THE BEST.

Send Postal today for Catalog and Prices, stating size of room. It will cost you nothing to find out what we can do for your school.



SETTEE No. 769.

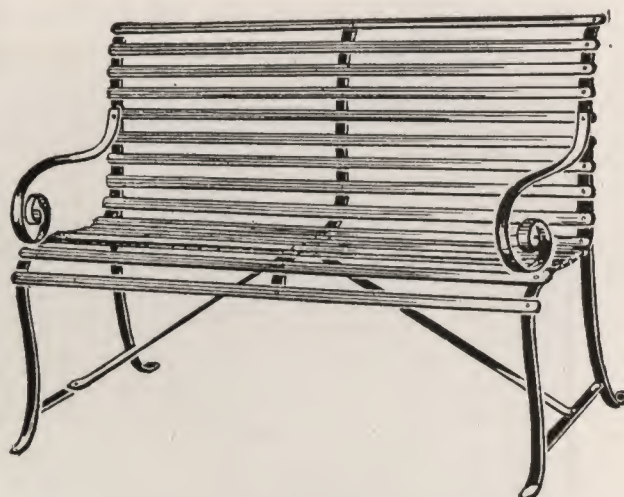
"WONDER SELLER"

Length of Settee.....	4 feet
Height of Back.....	18 inches
Width of Seat.....	14 inches
Weight.....	40 pounds

Handsomely finished in durable green paint.

Slats made of 1x3-inch Dressed Hardwood Lumber.
Leg, 1½x½ channel.

Bolted together with carriage bolts which we furnish.



STEEL SETTEE No. 765.

STANDARD STEEL SETTEE

Length of Seat.....	4 feet
Height of Arm Rest.....	9 inches
Height of Back.....	18 inches
Width of Seat.....	14 inches
Weight.....	60 pounds

Shipped K. D.

Made of 7/8x3-16 inch steel Slats.

Legs, 1x5-16 inch.

Handsomely finished in durable green paint.

STEEL TREE GUARDS.

They are as good as they look

No. 237. Made of 1x1/8-inch flat steel, 64 inches high, 12 inches diameter, weight, 29 pounds each.

No. 238. Made of 3/4x1/8-inch flat steel, 60 inches high, 9 inches diameter, weight, 14 pounds each.

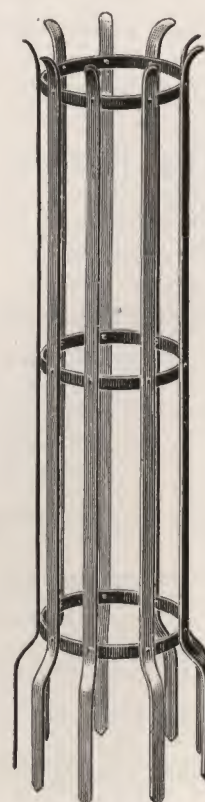
Both guards shipped K. D., are made in two sections, semi-circle, easily bolted together with bolts that we furnish. Two sections make one guard, diameters as above, but three or more sections can be used for large trees.

Cheaper than wood, last a lifetime.

Finished in durable Green Paint.



No. 238.



No. 237

PLAYGROUND EQUIPMENT

AMERICAN COASTER SLIDE No. C-1.

Note the wide tread heavy steps. They never get slippery, and even the smallest of children are assured of safety and need no supervision of an older person.

SPECIFICATIONS

Height of slide, 12 feet; over all.....	15 feet
Length of each slide.....	30 feet
Space required.....	30 by 60 feet
Width of double stairs.....	44 inches
Weight, about.....	2000 pounds



PLAYGROUND SLIDE No. C-3.

The "American" Slide C-3 is especially adapted for small children, or where space is limited. This slide has proven a prime favorite the past year. It is of very substantial construction is speedy, as are all American slides, which is magnetic in drawing children to American equipments.



The illustration gives you an idea of the clean-cut appearance; the hand rails are of $\frac{1}{2}$ -inch pipe, hot galvanized.

Height of slide.....	8 feet
Length of chute.....	16 feet
Weight, about.....	285 pounds

Metal lined.

Shipped partly assembled. Easily set up.

KINDERGARTEN SLIDE No. C-10.



A most delightful slide made in three sizes and designated as C-10, C-12 and C-14, especially designed for kindergarten, primary and home use, made of the best rock maple with bedway of either rock maple or galvanized sheet steel.

C-10 Slide.....	Height, 5 ft.; Length, 10 ft.; Weight, 90 lbs.
C-12 Slide.....	Height, 6 ft.; Length, 12 ft.; Weight, 100 lbs.
C-14 Slide.....	Height, 7 ft.; Length, 14 ft.; Weight, 130 lbs.

STEEL HORIZONTAL LADDER No. B-17



Tubular steel, hot galvanized.

Length, 16 ft. Height above ground, 7½ ft. The supports should be embedded in concrete 2½ feet.

Vertical end ladders permit of reaching the horizontal ladder with ease.

There are no protruding bolts or fittings to catch the hands or clothing, as the end fittings are made "flush" with the ladder rails and supports, by our own special fitting.

We venture a prophecy, based upon experience, that this will become one of the most popular and useful devices used upon the playground.

Shipped partially assembled and is easily and quickly set up.

OUR AMERICAN OCEAN WAVE No. C-4.

(Ten Rods instead of Seven)

Our American Ocean Wave has proven one of the most popular of all devices. It is a safe and fascinating device, interesting to all ages, especially to the little ones. We have made no material changes in design, but some important improvements in construction have been made in order to give still more durability. One, for instance, we use ten iron supports, where formerly we used seven. But we have also added a grease cup filled with heavy cup grease to the head of this device to prevent friction.

It is necessary to adjust the cap at the top of the cup occasionally in order to get the full benefit of the grease on the bearings. The circle is made of 1-inch wood which has been carefully selected, and edges are metal bound. This device will carry fifty children safely and can be operated by one child.

Circumference of circle, 8 inches. Thickness of circle, 2 inches.

Upright made of 4-inch steel pipe extending 12 feet above ground and 4 feet into concrete. There should be about 6 inches of concrete under the base flange. Ball and socket head, giving revolving and undulating motion. Suspension rods wrought iron, 10 in number.

Weight about 500 pounds.



KINDERGARTEN BOX SWING OUTFIT No. B-14.



This outfit, as the name implies, is for the smaller children. It offers all the pleasures of the regular swings but with additional safety necessary for the little ones.

The frame is 28 feet long and 10 feet high, made of 2-inch galvanized pipe at top with uprights of 1½-inch pipe embedded in concrete.

The seats are made of selected oak or maple, nicely finished and treated with our special waterproof oil finish in natural color, and they are guaranteed to stand the weather. The front rung is adjusted to permit lifting when getting into the swing. When the child is seated the bar, or rung, drops into place and holds the occupant safely in place. Furnished with hot galvanized chain,

and the clamps and pipe fittings are all malleable and hot galvanized. This frame is exactly like frame D-13. We can furnish the Kindergarten outfit in sets of either four, eight or twelve swings.

Pipe required for eight-swing set: 2 pieces 2-inch pipe 14 feet long; 6 pieces 1½ pipe 13 feet long.

Pipe fittings required for eight-swing set: 2 pieces No. B-3, 1 piece No. B-7, and 6 pieces No. A-10.

SEE-SAW OUTFIT No. B-16.



Frame 3 feet high and 15 feet long.

The boards are highest grade selected material, 12 feet long, 1 foot wide and 2 inches thick, thoroughly painted. The ends are treated with our special weather-proof oil finish in enameled grey color. All metal parts are malleable and hot galvanized, as is the pipe frame. The uprights should be imbedded in concrete as least 2½ feet.

This shows a portable outfit. We furnish stationary also. All boards are adjustable for children of different weights.

AMERICAN SCHOOL SLIDE No. C-2.

To meet the demand for a smaller and less expensive slide, and where less capacity is required, we furnish the American School Slide as a substitute for the larger coaster. This slide, though smaller, is no toy and embodies the same general lines of design and construction as the larger ones.

Note the long, sloping stairway, with metal guard rails, and roomy platform—features not offered by any other manufacturer. The wide wooden stairs are favored by many playground supervisors. The Blind Schools especially demand the wide, wooden tread with platform, for the safety feature. Wood step approach is never slippery and the smallest tots need no supervision by an older person.



Height of slide proper, 3 feet; over all 10 feet. Length of slide, 16 feet. Weight about 400 pounds. Shipped partially assembled, and can be set up by one man in an hour's time. Heavy galvanized metal slide bed.

UNITED SCHOOL BODY—SERIAL NUMBER 51

THESE splendid UNITED School Bodies incorporate scores of advantages to better serve the increasing demand for efficient school transportation.

UNITED School bodies are built by men long experienced in the construction of safe and comfortable passenger transportation units. These exceptional school bodies in construction, appearance and the satisfactory and long lived service they will render reflect the experience and skill of their builders.



UNITED SCHOOL BODY—NUMBER 51

General Specifications

Seating Capacity—The 12 foot United School Bus will comfortably accommodate 20 pupils of average size, the 14 foot twenty-four pupils and the 16 foot thirty pupils.

Method of Shipment—United School Bodies shipped either KD or crated set up or where three set-up bodies can be shipped in one car crating is not necessary. With many of the truck plants United has an arrangement whereby United School Bodies are kept in stock and the complete job—chassis and body—is shipped to the dealer from the factory, thus saving the freight on the bodies, as three complete chassis with bodies do not reach the minimum carload weight.

Weight of Body—12 foot, 875 pounds. 14 foot, 990 pounds. 16 foot, 1095 pounds.

Body Materials—Roof of first quality yellow poplar, tongue and grooved, covered with a heavy grade oil duck. Panels are 20 gauge steel, strongly reinforced. Frame work throughout heavy oak and ash. Floor tongue and grooved N. C. yellow pine.

Irons—At every point of stress United School Bodies are strongly reinforced with irons.

Joints—All joints, mortised, grooved, screwed and plugged.

Upholstering—The very best grade of black imitation leather is used in all United School Bodies. Automobile type spring cushions and upholstery.

Width of Seats—17 inches.

Height of Seat Back—22 inches.

Ventilators—Overhead steel ventilators of the adjustable type.

Windows—Drop sash type adjustable to any point of opening—crystal plate glass throughout.

Width of Aisle—26 inches.

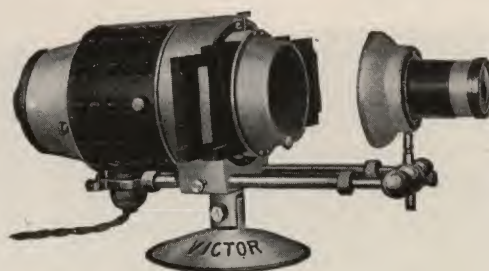
Body Dimensions—Height 64 inches. Width 64 inches. Length, either 12 foot, 14 foot or 16 foot.

Painting—Royal blue or maroon with white strippings.

Manufacturer's Note—In the design and construction of the United School body not a detail has been overlooked that would insure it longer life or more satisfactory service. School officials, truck manufacturers and users alike have been surprised at the high quality and unusual low price.

VISUALIZE

Educational Studies by the use of the Victor Portable Stereopticon



MODEL 2-1 (Incandescent)

VICTOR PORTABLE STEREOPTICON (For Standard Lantern Slides)

For attachment to any electric lamp socket; no rheostat required.

This is the most popular Victor equipment, for it meets all normal requirements for all distances from 10 to 80 feet from the screen, and for images not larger than 12 feet in width.

The Mazda-Nitrogen lamp used in this model is the very latest development in incandescent projection lamps. The illumination produced by the highly concentrated filament in this lamp is intensely powerful, and with the aid of a perfect mirror reflector, projects an extremely brilliant and evenly-lighted image on the screen.

Setting up merely requires inserting the globe in the lamp house, attaching the carrier and projection lens. Connect to any lamp socket, on any lighting circuit, direct or alternating current. Turn on the current, center the lamp, insert a slide, focus, and all is in readiness for an exhibition of any length.

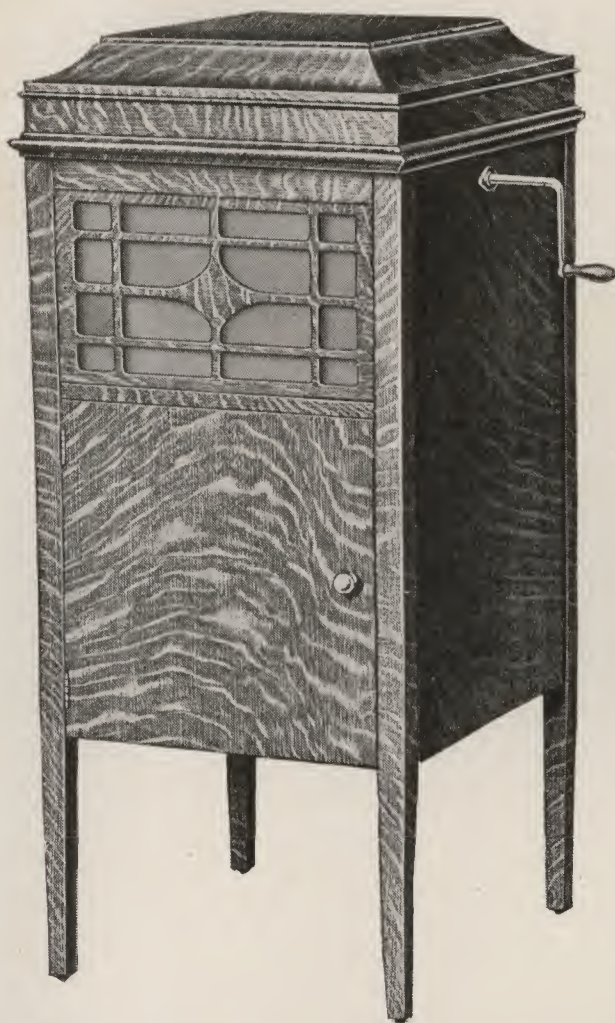
Several types of lamps provide for every requirement. A 6-volt lamp attaches to any automobile storage battery; 32 and 60-volt lamps operate on the several makes of independent lighting plants; 110 and 125-volt lamps attach to any city lighting current. A special controller is furnished for 220 or 250-volt currents.

Lenses furnished to give any size picture 12 feet wide, or smaller, at any distance 20 to 100 feet from screen.

The Victor Classroom Stereopticon is the most efficient portable Stereopticon in the world and is guaranteed to meet all requirements for classroom use.

ALL SIZES AND STYLES

WRITE FOR SPECIAL BOOKLET AND DESCRIPTIVE MATTER



THE DIXIE PHONOGRAPH FOR HOME OR SCHOOL Plays All Records.

The Phonograph is becoming a very important factor in the equipment of schools, and in our opinion there is no more important branch of education than music. Some philosopher has said: "Let me write the songs of the Nation, and I care not who makes the laws."

In presenting this phonograph for your consideration it has been our aim to offer you a machine that will give you perfect service and prove a source of lasting satisfaction and enjoyment. This instrument is the result of years of experiment, and as the manufacturers have been making furniture for a number of years the workmanship and finish of these cabinets is just what you would expect.

We are offering this Phonograph direct from manufacturer to schools. There is no heavy overhead expense, all this is cut out. We ship same out from factory to your express station by prepaid express. There is no delay.

No school is complete without one.

QUARTER SAWED OAK—FUMED
FINISH.

Can Be Shipped at once by Express.

PORTABLE NON-FOLDING PIPE-TONE SCHOOL OR CHURCH ORGAN

Just the instrument for small churches, Sunday schools, open-air work, school room or for any purpose where portability is desired.

This instrument is possessed of unusual volume, together with most perfect Pipe Tone quality, that is possible to obtain from reeds.

Bellows are extra large, making it the most powerful tone of any portable organ on the market.

Simple and durable. Not liable to get out of order.

Case is three-ply oak, old mission finish.

Sizes and Weights.

Four Octave—Length 30 inches; height 38 inches; depth 11 inches; weight 35 pounds, boxed.

Five Octave—Length 35 inches; height 38 inches; depth 11 inches; weight 40 pounds, boxed.

The manufacturers of this Organ make more folding and portable Organs than all other manufacturers combined.



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